

Appendix A:

Technical Details

A.1 DESCRIPTION OF THE KOLMOGOROV-SMIRNOV EQUALITY OF DISTRIBUTION TEST

The purpose of the test is to assess whether the revenue-neutral prices calculated using submitted charges have the same empirical distribution as the NLA price. The test requires several assumptions. First, assume true costs are distributed as $F(C)$. Then, if markups are constant over all products, the revenue-neutral prices will also be distributed $F(C)$, which we define as the empirical distribution of revenue-neutral prices calculated using submitted charges. Define the empirical distribution of NLA prices as $G(C)$.

Using the Kolmogorov–Smirnov test, we can test whether two sets of prices are generated by the same underlying distribution by testing the null hypothesis that $G(C)$ is equivalent to $F(C)$. If we reject the null hypothesis, we can conclude that the distributions are significantly different. In the next paragraph, we describe the mechanics of the test and how it compares with some more commonly used tests, such as the two-sample t-test of means or the simple Pearson correlation coefficient. Note that we propose to graph each set of relative values and visually assess whether the prices are equivalent in practice. We do so because the statistical test may reject the hypothesized equality of distributions when only one or two prices vary significantly. Thus, the test may reject comparisons that are equivalent in practice, with the exception of the prices of one or two HCPCS codes. As described in the analysis plan, we will apply this test to other sets of prices, such as comparisons of prices at physician office laboratories versus independent laboratories.

The test is implemented in many statistical software packages. For example, it can be conducted using the “ksmirnov” command in STATA, or the “KS” command in SYSTAT. This test is based on the difference between two cumulative distribution functions, so the sample sizes must be the same. The test essentially compares the means, standard deviations, and shapes of the two distributions. In contrast, the more commonly employed two-sample t-test compares means of distributions only. For normal distributions, location (mean) and scale (units of observation) totally determine the shape, so the t-test is essentially equivalent to the Kolmogorov–Smirnov test when distributions are normal (however the t-test is more powerful

because it is based on more information via the assumption of a normal distribution). Similarly, the commonly used Pearson correlation equates location and scale, so the Pearson correlation coefficient can be a perfect “1” even in cases where the two compared distributions are quite dissimilar. That is, for other distributions besides the normal distribution, location and scale may not be enough to determine equivalence of distributions. When we employ the Kolmogorov–Smirnov test, we assume that both sample distributions come from exactly the same population distribution, but we make no assumptions about what form that distribution takes (thus the Kolmogorov–Smirnov test is dubbed a “distribution free” test).

Appendix B: Itemized Comparisons of Methods, by Test Procedure

Table B-1. Procedures with Large Percentage Differences Between NLA-based and Charge-based Relative Values: Universal Numeraire

HCPCS Code	Description	% Difference	NLA-based Relative Value	Charge-based Relative Value
<i>Chemistry and Toxicology</i>				
82000	Assay of blood acetaldehyde	218	1.4	4.45
82040 ^a	Assay of serum albumin	-59	0.58	0.24
82043	Microalbumin quantitative	101	0.68	1.37
82131	Amino acids	82	1.93	3.52
82139	Amino acids	342	1.9	8.39
82160	Assay of androsterone	-75	3.09	0.77
82240	Bile acids	-50	3.28	1.65
82247 ^a	Bilirubin	-65	0.62	0.22
82248 ^a	Bilirubin	-53	0.62	0.29
82286	Assay of bradykinin	-64	0.86	0.31
82307	Assay of vitamin D	-58	4	1.7
82374 ^a	Assay	-49	0.59	0.3
82379	Assay of carnitine	107	1.91	3.95
82435 ^a	Assay of blood chloride	-63	0.56	0.21
82438	Assay	148	0.6	1.49
82441	Test for chlorohydrocarbons	-56	0.75	0.33
82482	Assay	113	0.92	1.96
82487	Paper chromatography	-47	1.98	1.05
82488	Paper chromatography	-57	2.65	1.13
82489	Thin layer chromatography	111	2.25	4.74
82528	Assay of corticosterone	103	2.79	5.65
82541	Column chromatography	104	2.22	4.53
82542	Column chromatography	104	2.13	4.34
82543	Column chromatograph/isotope	109	2.24	4.69
82666	Assay of epiandrosterone	-76	2.66	0.63
82696	Assay of etiocholanolone	-76	2.93	0.69
82705	Fats/lipids	153	0.58	1.47
82715	Assay of fecal fat	-58	2.13	0.9
82725	Assay of blood fatty acids	-52	1.56	0.75
82731	Assay of fetal fibronectin	310	1.82	7.47
82760	Assay of galactose	-62	1.39	0.53
82776	Galactose transferase test	91	1.04	1.99
82820	Hemoglobin-oxygen affinity	-54	1.24	0.57
82938	Gastrin test	-51	2.2	1.07
82943	Assay of glucagon	112	1.72	3.64

^aPanel, or component of a panel.

(continued)

Table B-1. Procedures with Large Percentage Differences Between NLA-based and Charge-based Relative Values: Universal Numeraire (continued)

HCPCS Code	Description	% Difference	NLA-based Relative Value	Charge-based Relative Value
<i>Chemistry and Toxicology (continued)</i>				
82946	Glucagon tolerance test	-56	1.72	0.76
82953	Glucose-tolbutamide test	-53	1.88	0.89
82965	Assay of gdh enzyme	-46	0.82	0.44
82975	Assay of glutamine	-58	1.97	0.83
82977 ^a	Assay of GGT	-46	0.89	0.48
82978	Assay of glutathione	-54	1.73	0.8
82980	Assay of glutethimide	-71	2.27	0.66
83008	Assay of guanosine	-64	2.08	0.75
83015	Heavy metal screen	-45	2.3	1.26
83018	Quantitative screen	-45	2.65	1.47
83045	Blood methemoglobin test	-49	0.57	0.29
83055	Blood sulfhemoglobin test	258	0.52	1.86
83060	Blood sulfhemoglobin assay	-50	1.01	0.51
83069	Assay of urine hemoglobin	127	0.44	1
83070	Assay of hemosiderin	143	0.56	1.36
83499	Assay of progesterone	-74	3.13	0.82
83519	Immunoassay	110	1.66	3.48
83605	Assay of lactic acid	93	1.28	2.47
83632	Placental lactogen	-46	2.51	1.35
83634	Assay of urine for lactose	-48	1.43	0.75
83719	Assay of blood lipoprotein	-45	1.42	0.78
83785	Assay of manganese	-47	2.75	1.47
83788	Mass spectrometry qual	-48	2.24	1.16
83835	Assay of metanephhrines	113	2.1	4.47
83885	Assay of nickel	-67	2.89	0.94
83890	Molecule isolate	113	0.48	1.02
83891	Molecule isolate nucleic	131	0.49	1.13
83893	Molecule dot/slot/blot	84	0.49	0.9
83894	Molecule gel electrophor	106	0.49	1.01
83896	Molecular diagnostics	86	0.49	0.91
83897	Molecule nucleic transfer	84	0.49	0.9
83905	Molecule mutation identify	-46	2.04	1.11
83912	Genetic examination	171	0.49	1.33
83918	Assay	152	2.04	5.14
83992	Assay for phencyclidine	-53	1.82	0.86
84030	Assay of blood pku	260	0.68	2.45

^aPanel, or component of a panel.

(continued)

Table B-1. Procedures with Large Percentage Differences Between NLA-based and Charge-based Relative Values: Universal Numeraire (continued)

HCPCS Code	Description	% Difference	NLA-based Relative Value	Charge-based Relative Value
<i>Chemistry and Toxicology (continued)</i>				
84075 ^a	Assay alkaline phosphatase	-58	0.64	0.27
84085	Assay of rbc pg6d enzyme	-63	0.84	0.31
84135	Assay of pregnanediol	-67	2.31	0.77
84138	Assay of pregnanetriol	-60	2.33	0.94
84150	Assay of prostaglandin	-55	3.02	1.37
84182	PROTEIN western blot test	112	2.22	4.71
84206	Assay of proinsulin	113	2.2	4.68
84260	Assay of serotonin	162	3.07	8.05
84305	Assay of somatomedin	123	2.4	5.35
84307	Assay of somatostatin	186	2.21	6.33
84377	Sugars	217	0.64	2.03
84379	Sugars multiple quant	-58	1.43	0.6
84449	Assay of transcortin	-49	2.19	1.11
84482	T3 reverse	194	1.71	5.02
84485	Assay duodenal fluid trypsin	201	0.93	2.8
84512	Assay of troponin	103	0.91	1.85
84577	Assay of feces/urobilinogen	-63	1.54	0.57
84583	Assay of urine urobilinogen	-50	0.62	0.31
84597	Assay of vitamin K	182	1.55	4.37
84830	Ovulation tests	-62	1.25	0.48
<i>Cytogenetic Studies</i>				
88233	Tissue culture	-49	14.55	7.38
88240	Cell cryopreserve/storage	492	1.23	7.28
88245	Chromosome analysis 20-25	-56	18.48	8.19
88261	Chromosome analysis 5	-50	21.93	10.86
88285	Chromosome count	-47	2.36	1.26
88289	Chromosome study	-48	4.02	2.11
<i>Cytopathology</i>				
88140	Sex chromatin identification	86	0.97	1.8
88152	Cytopath	-56	1.31	0.58
88166	Cytopath tbs	-52	1.31	0.63
<i>Drug Testing</i>				
80101	Drug screen	-50	1.7	0.85
<i>Hematology</i>				
85220	Blood clot factor V test	117	2.13	4.63
85230	Blood clot factor VII test	94	2.18	4.24

^aPanel, or component of a panel.

(continued)

Table B-1. Procedures with Large Percentage Differences Between NLA-based and Charge-based Relative Values: Universal Numeraire (continued)

HCPCS Code	Description	% Difference	NLA-based Relative Value	Charge-based Relative Value
Hematology (continued)				
85240	Blood clot factor VIII test	129	1.91	4.37
85247	Blood clot factor VIII test	124	2.64	5.91
85250	Blood clot factor IX test	96	2.31	4.53
85260	Blood clot factor X test	98	2.18	4.32
85270	Blood clot factor XI test	100	2.18	4.36
85280	Blood clot factor XII test	99	2.36	4.7
85290	Blood clot factor XIII test	91	1.91	3.64
85291	Blood clot factor XIII test	148	1.1	2.73
85300	Antithrombin III test	161	1.35	3.52
85301	Antithrombin III test	175	1.34	3.69
85302	Blood clot inhibitor antigen	194	1.49	4.38
85303	Blood clot inhibitor test	127	1.71	3.89
85305	Blood clot inhibitor assay	157	1.44	3.7
85306	Blood clot inhibitor test	142	1.86	4.5
85335	Factor inhibitor test	146	1.47	3.62
85360	Euglobulin lysis	115	0.95	2.04
85362	Fibrin degradation products	124	0.83	1.86
85366	Fibrinogen test	83	1.07	1.96
85378	Fibrin degradation	173	0.88	2.4
85379	Fibrin degradation	103	1.17	2.37
85410	Fibrinolytic antiplasmin	199	0.92	2.75
85415	Fibrinolytic plasminogen	96	2.1	4.12
85420	Fibrinolytic plasminogen	227	0.81	2.65
85421	Fibrinolytic plasminogen	244	1.24	4.27
85441	Heinz bodies	173	0.52	1.42
85475	Hemolysin	163	1.04	2.74
85520	Heparin assay	162	1.49	3.91
85555	RBC osmotic fragility	280	0.8	3.04
85557	RBC osmotic fragility	104	1.58	3.22
85613	Russell viper venom	105	1.1	2.25
85652	Rbc sed rate	94	0.33	0.64
85675	Thrombin time	84	0.83	1.53
85705	Thromboplastin inhibition	110	1.07	2.25
Immunology				
86021	WBC antibody identification	95	1.66	3.23
86022	Platelet antibodies	122	2.05	4.56

^aPanel, or component of a panel.

(continued)

Table B-1. Procedures with Large Percentage Differences Between NLA-based and Charge-based Relative Values: Universal Numeraire (continued)

HCPCS Code	Description	% Difference	NLA-based Relative Value	Charge-based Relative Value
Immunology (continued)				
86023	Immunoglobulin assay	158	1.49	3.85
86243	Fc receptor	-98	2.55	0.04
86310	Heterophile antibodies	-51	0.91	0.45
86317	Immunoassay	-49	1.86	0.95
86343	Leukocyte histamine release	455	1.55	8.6
86344	Leukocyte phagocytosis	135	0.99	2.33
86353	Lymphocyte transformation	-62	6.09	2.3
86384	Nitroblue tetrazolium dye	337	1.38	6.03
86682	Helminth antibody	103	1.52	3.08
86688	Htlv-ii antibody	-49	1.71	0.87
86723	Listeria monocytogenes ab	174	1.48	4.06
86729	Lympho venereum antibody	248	1.32	4.59
86744	Nocardia antibody	198	1.64	4.89
86784	Trichinella antibody	113	1.26	2.69
86793	Yersinia antibody	-49	1.62	0.83
86804	Hep c ab test	201	1.86	5.6
86806	Lymphocytotoxicity assay	-87	5.9	0.75
86807	Cytotoxic antibody screening	-47	4.91	2.6
Microbiology				
87001	Small animal inoculation	-57	1.64	0.71
87003	Small animal inoculation	-81	2.09	0.39
87076	Bacteria identification	-50	1.51	0.76
87145	Culture typing	-60	1.01	0.4
87155	Culture typing	-50	0.6	0.3
87158	Culture typing	-54	0.65	0.3
87187	Antibiotic sensitivity	-60	1.29	0.51
87253	Virus inoculation for test	-58	2.03	0.86
87260	Adenovirus ag	-61	1.42	0.55
87265	Pertussis ag	87	1.38	2.58
87278	Legion pneumo ag	128	1.37	3.12
87285	Trepon pallidum ag	-45	1.37	0.76
87332	Cytomegalovirus ag	141	1.45	3.49
87385	Histoplasma capsul ag	154	1.4	3.55
87425	Rotavirus ag	90	1.46	2.78
87450	Ag detect nos	91	0.99	1.89
87470	Bartonella	-53	2.45	1.16

^aPanel, or component of a panel.

(continued)

Table B-1. Procedures with Large Percentage Differences Between NLA-based and Charge-based Relative Values: Universal Numeraire (continued)

HCPCS Code	Description	% Difference	NLA-based Relative Value	Charge-based Relative Value
<i>Microbiology (continued)</i>				
87481	Candida	-86	4.36	0.6
87482	Candida	-65	5.18	1.8
87486	Chylmd pneum	-59	4.34	1.76
87491	Chylmd trach	-49	4.28	2.17
87497	Cytomeg	107	5.32	11
87511	Gardner vag	-62	2.44	0.92
87522	Hepatitis C	103	5.09	10.31
87525	Hepatitis G	-53	2.49	1.16
87526	Hepatitis G	98	4.36	8.62
87540	Legion pneumo	-82	2.49	0.46
87552	Mycobacteria	201	4.36	13.11
87561	M.avium-intra	-85	3.7	0.56
87581	M.pneumon	-60	4.36	1.76
87582	M.pneumon	-63	5.18	1.9
87591	N.gonorrhoeae	-51	4.29	2.09
87650	Strep a	-48	2.46	1.28
87652	Strep a	-88	4.22	0.5
87799	Detect agent nos	130	5.26	12.08
<i>Other</i>				
78267	Breath test attain/anal c-14	262	0.98	3.55
89355	Exam feces for starch	92	0.39	0.75
G0026	Fecal leukocyte examination	126	0.5	1.13
G0027	Semen analysis	-69	0.81	0.25
<i>Panels</i>				
(None)				
<i>Therapeutic Drug Assays</i>				
80172	Assay of gold	-61	2.01	0.78
80196	Assay of salicylate	88	0.88	1.65
80197	Assay of tacrolimus	127	1.69	3.84
80201	Assay of topiramate	110	1.48	3.11
80299	Quantitative assay	110	1.62	3.41
<i>Transfusion Medicine</i>				
86905	Blood typing	216	0.37	1.17
<i>Urinalysis</i>				
(None)				

^aPanel, or component of a panel.

Table B-2. Procedures with Large Percentage Differences Between NLA-based and Charge-based Relative Values: Class-Based Numeraire

HCPCS Code	Description	% Difference	NLA-based Relative Value	Charge-based Relative Value
<i>Chemistry and Toxicology</i>				
82000	Assay of blood acetaldehyde	225	1.17	3.8
82040 ^a	Assay of serum albumin	-59	0.49	0.2
82043	Microalbumin quantitative	105	0.57	1.17
82131	Amino acids	86	1.62	3.01
82139	Amino acids	352	1.59	7.18
82160	Assay of androsterone	-75	2.6	0.66
82240	Bile acids	-49	2.75	1.41
82247 ^a	Bilirubin	-63	0.52	0.19
82248 ^a	Bilirubin	-52	0.52	0.25
82286	Assay of bradykinin	-63	0.72	0.27
82307	Assay of vitamin D	-57	3.36	1.45
82374 ^a	Assay	-48	0.5	0.26
82379	Assay of carnitine	110	1.61	3.38
82435 ^a	Assay of blood chloride	-62	0.47	0.18
82438	Assay	156	0.5	1.28
82441	Test for chlorohydrocarbons	-54	0.63	0.29
82482	Assay	115	0.78	1.68
82487	Paper chromatography	-46	1.66	0.9
82488	Paper chromatography	-57	2.23	0.96
82489	Thin layer chromatography	114	1.89	4.05
82528	Assay of corticosterone	106	2.35	4.84
82541	Column chromatography	108	1.86	3.87
82542	Column chromatography	107	1.79	3.71
82543	Column chromatograph/isotope	113	1.88	4.01
82666	Assay of epiandrosterone	-76	2.24	0.54
82696	Assay of etiocholanolone	-76	2.46	0.59
82705	Fats/lipids	157	0.49	1.26
82715	Assay of fecal fat	-57	1.79	0.77
82725	Assay of blood fatty acids	-51	1.31	0.64
82731	Assay of fetal fibronectin	318	1.53	6.39
82760	Assay of galactose	-62	1.17	0.45
82776	Galactose transferase test	95	0.87	1.7
82820	Hemoglobin-oxygen affinity	-53	1.04	0.49
82938	Gastrin test	-51	1.85	0.91

^aPanel, or component of a panel.

(continued)

Table B-2. Procedures with Large Percentage Differences Between NLA-based and Charge-based Relative Values: Class-Based Numeraire (continued)

HCPCS Code	Description	% Difference	NLA-based Relative Value	Charge-based Relative Value
<i>Chemistry and Toxicology (continued)</i>				
82943	Assay of glucagons	116	1.44	3.11
82946	Glucagon tolerance test	-55	1.45	0.65
82953	Glucose-tolbutamide test	-52	1.58	0.76
82965	Assay of gdh enzyme	-46	0.69	0.37
82975	Assay of glutamine	-57	1.65	0.71
82977 ^a	Assay of GGT	-45	0.75	0.41
82978	Assay of glutathione	-53	1.45	0.68
82980	Assay of glutethimide	-71	1.91	0.56
83008	Assay of guanosine	-63	1.75	0.64
83015	Heavy metal screen	-44	1.93	1.08
83045	Blood methemoglobin test	-48	0.48	0.25
83055	Blood sulfhemoglobin test	261	0.44	1.59
83060	Blood sulfhemoglobin assay	-48	0.85	0.44
83069	Assay of urine hemoglobin	130	0.37	0.85
83070	Assay of hemosiderin	147	0.47	1.16
83499	Assay of progesterone	-73	2.63	0.7
83519	Immunoassay	114	1.39	2.97
83605	Assay of lactic acid	97	1.07	2.11
83632	Placental lactogen	-45	2.11	1.16
83634	Assay of urine for lactose	-47	1.2	0.64
83785	Assay of manganese	-45	2.31	1.26
83788	Mass spectrometry qual	-47	1.88	0.99
83835	Assay of metanephhrines	117	1.76	3.82
83885	Assay of nickel	-67	2.43	0.81
83890	Molecule isolate	112	0.41	0.87
83891	Molecule isolate nucleic	137	0.41	0.97
83893	Molecule dot/slot/blot	88	0.41	0.77
83894	Molecule gel electrophor	112	0.41	0.87
83896	Molecular diagnostics	90	0.41	0.78
83897	Molecule nucleic transfer	83	0.42	0.77
83905	Molecule mutation identify	-44	1.71	0.95
83912	Genetic examination	178	0.41	1.14
83918	Assay	157	1.71	4.4
83992	Assay for phencyclidine	-52	1.53	0.74

^aPanel, or component of a panel.

(continued)

Table B-2. Procedures with Large Percentage Differences Between NLA-based and Charge-based Relative Values: Class-Based Numeraire (continued)

HCPCS Code	Description	% Difference	NLA-based Relative Value	Charge-based Relative Value
<i>Chemistry and Toxicology (continued)</i>				
84030	Assay of blood pku	268	0.57	2.1
84075 ^a	Assay alkaline phosphatase	-57	0.54	0.23
84085	Assay of rbc pg6d enzyme	-63	0.7	0.26
84135	Assay of pregnanediol	-66	1.94	0.66
84138	Assay of pregnanetriol	-59	1.96	0.8
84150	Assay of prostaglandin	-54	2.54	1.17
84182	PROTEIN western blot test	117	1.86	4.03
84206	Assay of proinsulin	116	1.85	4
84260	Assay of serotonin	167	2.58	6.89
84305	Assay of somatomedin	127	2.01	4.57
84307	Assay of somatostatin	191	1.86	5.41
84377	Sugars	222	0.54	1.74
84379	Sugars multiple quant	-58	1.2	0.51
84449	Assay of transcortin	-48	1.84	0.95
84482	T3 reverse	199	1.44	4.3
84485	Assay duodenal fluid trypsin	206	0.78	2.39
84510	Assay of tyrosine	83	1.06	1.94
84512	Assay of troponin	106	0.77	1.59
84577	Assay of feces/urobilinogen	-62	1.29	0.49
84583	Assay of urine urobilinogen	-50	0.52	0.26
84597	Assay of vitamin K	188	1.3	3.74
84830	Ovulation tests	-61	1.05	0.41
<i>Cytogenetic Studies</i>				
88240	Cell cryopreserve/storage	860	0.1	0.96
88241	Frozen cell preparation	167	0.09	0.24
88271	Cytogenetics	89	0.19	0.36
88273	Cytogenetics	90	0.29	0.55
88275	Cytogenetics	92	0.37	0.71
<i>Cytopathology</i>				
88140	Sex chromatin identification	132	0.75	1.74
88152	Cytopath	-45	1.01	0.56
<i>Drug Testing</i>				
(None)				

^aPanel, or component of a panel.

(continued)

Table B-2. Procedures with Large Percentage Differences Between NLA-based and Charge-based Relative Values: Class-Based Numeraire (continued)

HCPCS Code	Description	% Difference	NLA-based Relative Value	Charge-based Relative Value
Hematology				
85220	Blood clot factor V test	124	2.91	6.53
85230	Blood clot factor VII test	101	2.98	5.99
85240	Blood clot factor VIII test	135	2.62	6.17
85246	Blood clot factor VIII test	83	3.64	6.66
85247	Blood clot factor VIII test	131	3.62	8.35
85250	Blood clot factor IX test	102	3.17	6.4
85260	Blood clot factor X test	105	2.98	6.1
85270	Blood clot factor XI test	106	2.99	6.16
85280	Blood clot factor XII test	106	3.23	6.64
85290	Blood clot factor XIII test	97	2.61	5.15
85291	Blood clot factor XIII test	156	1.51	3.86
85292	Blood clot factor assay	84	3.22	5.91
85300	Antithrombin III test	169	1.85	4.98
85301	Antithrombin III test	183	1.84	5.21
85302	Blood clot inhibitor antigen	203	2.04	6.19
85303	Blood clot inhibitor test	135	2.34	5.49
85305	Blood clot inhibitor assay	165	1.97	5.22
85306	Blood clot inhibitor test	150	2.54	6.35
85335	Factor inhibitor test	153	2.02	5.11
85360	Euglobulin lysis	120	1.31	2.88
85362	Fibrin degradation products	130	1.14	2.62
85366	Fibrinogen test	89	1.46	2.76
85378	Fibrin degradation	183	1.2	3.39
85379	Fibrin degradation	109	1.6	3.35
85390	Fibrinolysins screen	85	0.88	1.63
85410	Fibrinolytic antiplasmin	208	1.26	3.88
85415	Fibrinolytic plasminogen	102	2.88	5.82
85420	Fibrinolytic plasminogen	237	1.11	3.74
85421	Fibrinolytic plasminogen	255	1.7	6.03
85441	Heinz bodies	183	0.71	2.01
85475	Hemolysin	172	1.42	3.86
85520	Heparin assay	171	2.04	5.52
85540	WBC alkaline phosphatase	86	1.43	2.66
85555	RBC osmotic fragility	290	1.1	4.29

^aPanel, or component of a panel.

(continued)

Table B-2. Procedures with Large Percentage Differences Between NLA-based and Charge-based Relative Values: Class-Based Numeraire (continued)

HCPCS Code	Description	% Difference	NLA-based Relative Value	Charge-based Relative Value
Hematology (continued)				
85557	RBC osmotic fragility	111	2.16	4.55
85613	Russell viper venom	111	1.51	3.18
85652	Rbc sed rate	98	0.46	0.91
85675	Thrombin time	89	1.14	2.16
85705	Thromboplastin inhibition	118	1.46	3.18
Immunology				
86022	Platelet antibodies	99	1.38	2.75
86023	Immunoglobulin assay	132	1	2.32
86243	Fc receptor	-99	1.71	0.02
86310	Heterophile antibodies	-56	0.61	0.27
86317	Immunoassay	-54	1.25	0.57
86343	Leukocyte histamine release	398	1.04	5.18
86344	Leukocyte phagocytosis	112	0.66	1.4
86353	Lymphocyte transformation	-66	4.09	1.38
86384	Nitroblue tetrazolium dye	290	0.93	3.63
86590	Streptokinase	-47	0.9	0.48
86651	Encephalitis antibody	-46	1.03	0.56
86682	Helminth antibody	82	1.02	1.86
86688	Htlv-ii antibody	-55	1.15	0.52
86723	Listeria monocytogenes ab	147	0.99	2.45
86729	Lympho venereum antibody	211	0.89	2.77
86744	Nocardia antibody	167	1.1	2.94
86784	Trichinella antibody	93	0.84	1.62
86793	Yersinia antibody	-54	1.09	0.5
86804	Hep c ab test	170	1.25	3.37
86806	Lymphocytotoxicity assay	-89	3.96	0.45
86807	Cytotoxic antibody screening	-52	3.3	1.57
Microbiology				
87001	Small animal inoculation	-57	1.43	0.61
87003	Small animal inoculation	-81	1.83	0.34
87076	Bacteria identification	-50	1.32	0.66
87145	Culture typing	-61	0.89	0.35
87155	Culture typing	-51	0.53	0.26
87158	Culture typing	-54	0.57	0.26

^aPanel, or component of a panel.

(continued)

Table B-2. Procedures with Large Percentage Differences Between NLA-based and Charge-based Relative Values: Class-Based Numeraire (continued)

HCPCS Code	Description	% Difference	NLA-based Relative Value	Charge-based Relative Value
Microbiology (continued)				
87187	Antibiotic sensitivity	-60	1.12	0.45
87253	Virus inoculation for test	-58	1.78	0.74
87260	Adenovirus ag	-62	1.24	0.47
87265	Pertussis ag	84	1.21	2.23
87278	Legion pneumo ag	125	1.2	2.7
87285	Trepon pallidum ag	-45	1.19	0.66
87332	Cytomegalovirus ag	138	1.27	3.02
87385	Histoplasma capsul ag	152	1.22	3.07
87425	Rotavirus ag	88	1.28	2.4
87450	Ag detect nos	89	0.87	1.64
87470	Bartonella	-53	2.14	1
87481	Candida	-86	3.81	0.52
87482	Candida	-66	4.53	1.56
87486	Chylmd pneum	-60	3.8	1.52
87491	Chylmd trach	-50	3.74	1.87
87497	Cytomeg	105	4.65	9.51
87511	Gardner vag	-63	2.13	0.79
87522	Hepatitis C	100	4.45	8.91
87525	Hepatitis G	-54	2.18	1.01
87526	Hepatitis G	96	3.81	7.45
87540	Legion pneumo	-82	2.18	0.4
87552	Mycobacteria	197	3.81	11.33
87561	M.avium-intra	-85	3.24	0.48
87581	M.pneumon	-60	3.81	1.52
87582	M.pneumon	-64	4.53	1.64
87591	N.gonorrhoeae	-52	3.75	1.81
87650	Strep a	-49	2.15	1.1
87652	Strep a	-88	3.69	0.43
87799	Detect agent nos	127	4.6	10.44
Other				
78267	Breath test attain/anal c-14	199	1.31	3.92
G0026	Fecal leukocyte examination	87	0.67	1.25
G0027	Semen analysis	-75	1.09	0.27
Q0115	Post-coital mucous exam	-46	1.66	0.9

^aPanel, or component of a panel.

(continued)

Table B-2. Procedures with Large Percentage Differences Between NLA-based and Charge-based Relative Values: Class-Based Numeraire (continued)

HCPCS Code	Description	% Difference	NLA-based Relative Value	Charge-based Relative Value
Panels				
(None)				
Therapeutic Drug Assays				
80172	Assay of gold	-67	1.23	0.41
80197	Assay of tacrolimus	94	1.04	2.02
Transfusion Medicine				
86905	Blood typing	130	0.74	1.7
Urinalysis				
(None)				

^aPanel, or component of a panel.

Table B-3. Procedures for which the Choice of Numeraire Affects the Sign of the Difference between Charge-based and NLA-based Relative Values

HCPCS Code	Description	% Difference Universal Numeraire	% Difference Class-Based Numeraire
<i>Chemistry and Toxicology</i>			
82671	Assay of estrogens	-0.77	0.91
82088	Assay of aldosterone	-0.20	1.65
83065	Assay of hemoglobin heat	-1.16	0.00
82962	Glucose blood test	-2.56	0.00
<i>Cytogenetic Studies</i>			
88237	Tissue culture	-39.75	0.00
88248	Chromosome analysis 50-100	-26.56	21.64
88264	Chromosome analysis 20-25	-36.20	5.69
88272	Cytogenetics	-9.04	53.85
88280	Chromosome karyotype study	-25.40	24.00
88263	Chromosome analysis 45	-29.40	16.78
88269	Chromosome analysis	-39.41	0.61
88274	Cytogenetics	-11.71	47.06
88283	Chromosome banding study	-18.18	36.17
<i>Cytopathology</i>			
88164	Cytopath tbs	-12.98	8.91
88167	Cytopath tbs	-10.69	11.88
<i>Drug Testing</i>			
80100	Drug screen	-8.67	31.68
<i>Hematology</i>			
85021	Automated hemogram	-1.45	1.05
85170	Blood clot retraction	-2.22	1.64
<i>Immunology</i>			
86628	Candida antibody	2.04	-9.09
86147	Cardiolipin antibody	2.55	-8.23
86710	Influenza virus antibody	0.60	-10.71
86609	Bacterium antibody	9.74	-1.92
86376	Microsomal antibody	6.67	-4.13
86708	Hep a antibody	5.19	-5.83
86619	Borrelia antibody	10.91	-0.90
86316	Immunoassay	10.28	-1.18
86148	Phospholipid antibody	11.23	-0.79
86663	Epstein-barr antibody	10.49	-0.92
86727	Lymph choriomeningitis ab	9.15	-1.05

(continued)

Table B-3. Procedures for which the Choice of Numeraire Affects the Sign of the Difference between Charge-based and NLA-based Relative Values (continued)

HCPCS Code	Description	% Difference Universal Numeraire	% Difference Class-Based Numeraire
<i>Immunology (continued)</i>			
86329	Immunodiffusion	0.65	-10.58
86654	Encephalitis antibody	0.61	-10.00
86704	Hep b core antibody	0.00	-10.00
86741	Neisseria meningitidis	0.00	-10.00
86160	Complement	8.78	-3.00
86771	Shigella antibody	8.28	-1.90
86671	Fungus antibody	0.73	-9.78
86256	Fluorescent antibody	0.00	-11.00
86781	Treponema pallidum	6.96	-3.77
<i>Microbiology</i>			
87476	Lyme disease	0.00	-1.05
<i>Therapeutic Drug Assays</i>			
80162	Assay of digoxin	3.64	-10.89
80198	Assay of theophylline	8.67	-6.60
80170	Assay of gentamicin	5.61	-9.17
80156	Assay of carbamazepine	11.24	-4.59
80185	Assay of phenytoin	8.54	-6.93
<i>Transfusion Medicine</i>			
86885	Coombs test	13.24	-18.25
86880	Coombs test	28.79	-6.77
86906	Blood typing	10.47	-20.23
86886	Coombs test	15.63	-16.28
<i>Urinalysis</i>			
81002	Urinalysis nonauto w/o scope	9.68	-6.98
81000	Urinalysis nonauto w/scope	5.13	-10.28

Table B-4. Procedures with Large Differences in Charge-based Relative Values between Physician Operated Laboratories and Independent Laboratories

HCPCS Code	Description	% Difference	POL Relative Value	IL Relative Value
Chemistry and Toxicology				
82000	Assay of blood acetaldehyde	694	5.84	0.74
82013	Acetylcholinesterase assay	217	3.99	1.26
82040 ^a	Assay of serum albumin	256	0.48	0.14
82127	Amino acid	366	4.07	0.87
82190	Atomic absorption	428	3.92	0.74
82247 ^a	Bilirubin	296	0.48	0.12
82331	Calcium infusion test	347	0.90	0.20
82387	Assay of cathepsin-d	292	3.12	0.79
82435 ^a	Assay of blood chloride	283	0.42	0.11
82441	Test for chlorohydrocarbons	310	0.93	0.23
82487	Paper chromatography	1837	2.67	0.14
82544	Column chromatograph/isotope	546	4.51	0.70
82710	Fats/lipids	258	4.01	1.12
82800	Blood pH	262	1.44	0.40
83012	Assay of haptoglobins	444	4.67	0.86
83015	Heavy metal screen	415	3.76	0.73
83045	Blood methemoglobin test	242	0.54	0.16
83060	Blood sulfhemoglobin assay	297	1.33	0.34
83071	Assay of hemosiderin	289	1.47	0.38
83518	Immunoassay	256	1.28	0.36
83593	Fractionation	645	7.97	1.07
83633	Test urine for lactose	359	1.08	0.23
83634	Assay of urine for lactose	212	1.11	0.36
83785	Assay of manganese	218	3.00	0.94
83891	Molecule isolate nucleic	383	3.19	0.66
83893	Molecule dot/slot/blot	334	2.43	0.56
83992	Assay for phencyclidine	343	2.60	0.59
84075 ^a	Assay alkaline phosphatase	298	0.55	0.14
84106	Test for porphobilinogen	654	2.54	0.34
84138	Assay of pregnanetriol	283	2.18	0.57
84311	Spectrophotometry	293	2.55	0.65
84315	Body fluid specific gravity	242	0.47	0.14
84378	Sugars single quant	388	3.67	0.75
84600	Assay of volatiles	213	2.33	0.74
82633	Desoxycorticosterone	-76	0.91	3.76
82654	Assay of dimethadione	-79	0.30	1.40
84285	Assay of silica	-72	0.37	1.30

Note: POL = physician office laboratory and IL = independent laboratory.

^aPanel, or component of a panel.

(continued)

Table B-4. Procedures with Large Differences in Charge-based Relative Values between Physician Operated Laboratories and Independent Laboratories (continued)

HCPCS Code	Description	% Difference	POL Relative Value	IL Relative Value
Cytogenetic Studies				
88240	Cell cryopreserve/storage	218	1.28	0.40
88272	Cytogenetics	114	0.71	0.33
88274	Cytogenetics	207	1.14	0.37
88248	Chromosome analysis 50-100	-94	0.12	2.12
88273	Cytogenetics	-29	0.53	0.74
Cytopathology				
88152	Cytopath	348	1.41	0.31
Drug Testing				
80101	Drug screen	128	1.58	0.69
Hematology				
85170	Blood clot retraction	117	0.67	0.31
85292	Blood clot factor assay	388	22.65	4.64
85370	Fibrinogen test	226	3.13	0.96
85390	Fibrinolysins screen	232	2.48	0.75
85400	Fibrinolytic plasmin	481	1.54	0.26
85576	Blood platelet aggregation	126	3.39	1.50
85130	Chromogenic substrate assay	-80	0.90	4.40
85210	Blood clot factor II test	-72	1.39	5.05
85445	Heinz bodies	-76	0.49	2.03
Immunology				
86155	Chemotaxis assay	651	5.14	0.68
86310	Heterophile antibodies	288	0.93	0.24
86331	Immunodiffusion ouchterlony	134	1.40	0.60
86344	Leukocyte phagocytosis	330	4.18	0.97
86353	Lymphocyte transformation	157	3.21	1.25
86378	Migration inhibitory factor	146	2.03	0.83
86593	Blood serology	207	0.82	0.27
86638	Q fever antibody	161	2.04	0.78
86717	Leishmania antibody	207	1.71	0.56
86768	Salmonella antibody	143	1.27	0.52
86793	Yersinia antibody	275	1.66	0.44
86806	Lymphocytotoxicity assay	293	1.41	0.36
86821	Lymphocyte culture	328	17.05	3.98
86156	Cold agglutinin	-47	0.35	0.66
86327	Immunolectrophoresis assay	-40	1.58	2.65
86727	Lymph choriomeningitis ab	-49	0.57	1.12
86774	Tetanus antibody	-38	0.89	1.44
86816	HLA typing	-47	1.76	3.36

Note: POL = physician office laboratory and IL = independent laboratory.

^aPanel, or component of a panel.

(continued)

Table B-4. Procedures with Large Differences in Charge-based Relative Values between Physician Operated Laboratories and Independent Laboratories (continued)

HCPCS Code	Description	% Difference	POL Relative Value	IL Relative Value
<i>Microbiology</i>				
87082	Culture of specimen by kit	171	0.92	0.34
87103	Blood fungus culture	144	1.83	0.75
87143	Culture typing	398	2.08	0.42
87147	Culture typing	138	1.09	0.46
87174	Endotoxin	144	1.93	0.79
87187	Antibiotic sensitivity	206	1.12	0.37
87188	Antibiotic sensitivity	310	1.42	0.35
87253	Virus inoculation for test	314	2.54	0.61
87285	Trepon pallidum ag	320	1.80	0.43
87476	Lyme disease	150	7.78	3.11
87556	M. tuberculo	324	11.92	2.81
87580	M. pneumon	203	2.15	0.71
87850	N. gonorrhoeae assay w/optic	246	1.40	0.40
87087	Urine bacteria culture	-31	0.75	1.08
87118	Mycobacteria identification	-30	0.41	0.59
87145	Culture typing	-43	0.68	1.18
87290	Varicella ag	-38	1.70	2.74
87385	Histoplasma capsul ag	-59	0.98	2.38
87450	Ag detect nos	-60	1.16	2.89
87470	Bartonella	-37	3.10	4.93
87529	Hsv	-31	4.94	7.15
87530	Hsv	-47	4.52	8.47
87538	Hiv-2	-39	3.92	6.46
87622	Hpv	-95	0.19	4.06
87651	Strep a	-70	2.76	9.10
87799	Detect agent nos	-0.8	2.09	10.50
<i>Other</i>				
78267	Breath test attain/anal c-14	1,077	4.15	0.35
89365	Water load test	579	1.44	0.21
<i>Panels</i>				
80051 ^a	Electrolyte panel	24	0.80	0.64
80069 ^a	Renal function panel	-8	1.02	1.11

Note: POL = physician office laboratory and IL = independent laboratory.

^aPanel, or component of a panel.

(continued)

Table B-4. Procedures with Large Differences in Charge-based Relative Values between Physician Operated Laboratories and Independent Laboratories (continued)

HCPCS Code	Description	% Difference	POL Relative Value	IL Relative Value
<i>Therapeutic Drug Assays</i>				
80154	Assay of benzodiazepines	34	2.00	1.49
80188	Assay of primidone	36	1.18	0.87
80190	Assay of procainamide	90	1.52	0.80
80201	Assay of topiramate	40	2.14	1.53
80170	Assay of gentamicin	-27	0.76	1.04
80172	Assay of gold	-56	0.50	1.15
80176	Assay of lidocaine	-51	0.69	1.43
80196	Assay of salicylate	-31	0.65	0.95
<i>Transfusion Medicine</i>				
86900 ^a	Blood typing	64	1.03	0.63
86904	Blood typing	50	1.59	1.06
86880	Coombs test	-32	0.88	1.29
86885	Coombs test	-31	0.81	1.18
<i>Urinalysis</i>				
81020	Urinalysis glass test	231	0.99	0.30
81003	Urinalysis auto	-20	0.90	1.12

Note: POL = physician office laboratory and IL = independent laboratory.

^aPanel, or component of a panel.

Table B-5. Expenditure Neutral Prices

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)	NLA Amount		
		Charge-based Relative Values (P _i ^c)					
		Universal Numeraire	Class- Based Numeraire				
78267	Breath test attain/anal c-14	39.57	32.35	10.86	10.92		
78268	Breath test analysis c-14	72.35	59.15	90.07	87.29		
80048 ^a	Basic metabolic panel	11.29	11.33	11.25	11.25		
80049 ^a	Metabolic panel	11.09	11.12	10.78	10.78		
80051 ^a	Electrolyte panel	8.30	8.33	8.88	8.88		
80053 ^a	Comprehensive metabolic panel	13.95	14.00	14.15	14.15		
80054 ^a	Comprehensive metabolic panel	13.13	13.17	14.15	14.15		
80069 ^a	Renal function panel	13.07	13.12	11.77	11.77		
80076 ^a	Hepatic function panel	11.96	12.00	10.75	10.75		
80100	Drug screen	17.62	25.33	19.29	19.10		
80101	Drug screen	9.46	13.60	18.91	13.64		
80102	Drug screen	20.39	29.31	18.21	18.14		
80150	Assay of amikacin	25.82	22.17	19.79	19.47		
80152	Assay of amitriptyline	30.30	26.01	24.39	24.25		
80154	Assay of benzodiazepines	33.48	28.74	25.05	24.88		
80156	Assay of carbamazepine	22.00	18.89	19.87	19.83		
80158	Assay of cyclosporine	41.40	35.54	24.31	24.34		
80160	Assay of desipramine	30.24	25.96	22.54	22.32		
80162	Assay of digoxin	19.06	16.36	18.35	18.35		
80164	Assay	21.37	18.34	18.09	18.09		
80166	Assay of doxepin	34.05	29.23	21.05	20.91		
80168	Assay of ethosuximide	27.93	23.98	21.69	21.69		
80170	Assay of gentamicin	23.08	19.81	21.78	21.45		
80172	Assay of gold	8.70	7.47	22.39	22.29		
80174	Assay of imipramine	31.57	27.10	23.74	23.64		
80176	Assay of lidocaine	16.97	14.57	20.20	18.82		
80178	Assay of lithium	12.29	10.55	9.13	9.12		
80182	Assay of nortriptyline	31.11	26.71	18.04	17.97		
80184	Assay of phenobarbital	19.98	17.15	15.63	15.62		
80185	Assay of phenytoin	19.81	17.01	18.31	18.31		
80186	Assay of phenytoin	26.90	23.09	18.93	18.89		

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount	
		Charge-based Relative Values (P _i ^C)						
		Universal Numeraire	Class- Based Numeraire	Current NLA-based Fee Schedule (P _i ^{NLA})				
80188	Assay of primidone	19.65	16.87	22.84	22.76	22.93		
80190	Assay of procainamide	19.78	16.98	23.15	23.06	23.15		
80192	Assay of procainamide	30.20	25.93	23.12	23.11	23.15		
80194	Assay of quinidine	25.30	21.72	20.17	20.10	20.17		
80196	Assay of salicylate	18.33	15.74	9.81	9.74	9.81		
80197	Assay of tacrolimus	42.80	36.74	18.84	18.85	18.97		
80198	Assay of theophylline	20.89	17.94	19.28	19.27	19.56		
80200	Assay of tobramycin	26.37	22.64	21.42	21.30	22.27		
80201	Assay of topiramate	34.60	29.70	16.48	16.31	16.48		
80202	Assay of vancomycin	25.37	21.78	17.60	17.57	18.72		
80299	Quantitative assay	37.98	32.61	17.98	20.68	18.92		
81000	Urinalysis nonauto w/scope	4.57	3.89	4.37	4.36	4.37		
81001	Urinalysis auto w/scope	6.17	5.25	4.37	4.37	4.37		
81002	Urinalysis nonauto w/o scope	3.81	3.24	3.50	3.50	3.54		
81003	Urinalysis auto	5.34	4.55	3.10	3.12	3.10		
81005	Urinalysis	3.56	3.03	2.96	2.92	3.00		
81007	Urine screen for bacteria	2.76	2.35	3.55	3.55	3.55		
81015	Microscopic exam of urine	3.86	3.28	4.13	4.11	4.20		
81020	Urinalysis glass test	3.78	3.21	4.76	4.75	5.09		
81025	Urine pregnancy test	7.43	6.32	8.14	8.09	8.74		
81050	Urinalysis volume measure	3.45	2.93	4.10	4.10	4.14		
82000	Assay of blood acetaldehyde	49.50	50.41	15.57	14.02	17.12		
82003	Assay of acetaminophen	28.44	28.96	26.08	25.13	27.96		
82009	Test for acetone/ketones	5.43	5.53	6.12	6.12	6.25		
82010	Acetone assay	12.65	12.88	10.84	10.46	11.29		
82013	Acetylcholinesterase assay	23.04	23.46	15.01	14.65	15.44		
82016	Acylcarnitines qual	25.54	26.01	19.16	19.00	19.16		
82017	Acylcarnitines quant	29.53	30.07	21.76	21.75	23.31		
82024	Assay of acth	59.66	60.75	52.82	50.81	53.38		
82030	Assay of adp & amp	42.32	43.09	34.36	33.13	35.65		
82040 ^a	Assay of serum albumin	2.62	2.67	6.51	6.51	6.85		
82042	Assay of urine albumin	5.55	5.66	6.83	6.61	7.15		

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount	
		Charge-based Relative Values (P _i ^C)						
		Universal Numeraire	Class- Based Numeraire	Current NLA-based Fee Schedule (P _i ^{NLA})				
82043	Microalbumin quantitative	15.25	15.52	7.59	7.62	8.00		
82044	Microalbumin semiquant	6.21	6.32	5.65	5.68	6.33		
82055	Assay of ethanol	12.18	12.40	14.86	14.48	14.93		
82075	Assay of breath ethanol	9.81	9.99	16.64	16.62	16.66		
82085	Assay of aldolase	18.93	19.28	13.42	13.41	13.42		
82088	Assay of aldosterone	56.06	57.09	56.20	54.95	56.32		
82101	Assay of urine alkaloids	28.30	28.82	40.37	39.70	41.48		
82103	Alpha-1-antitrypsin total	21.78	22.18	18.52	16.96	18.56		
82104	Alpha-1-antitrypsin pheno	33.85	34.47	19.95	19.93	19.98		
82105	Alpha-fetoPROTEIN serum	27.65	28.16	23.08	23.06	23.18		
82106	Alpha-fetoPROTEIN amniotic	22.31	22.72	22.91	22.50	23.18		
82108	Assay of aluminum	44.05	44.85	35.15	35.12	35.22		
82120	Amines	5.49	5.59	4.87	4.59	5.19		
82127	Amino acid	14.83	15.10	18.98	18.98	19.16		
82128	Amino acids	15.70	15.98	19.11	18.98	19.16		
82131	Amino acids	39.23	39.94	21.54	21.43	23.31		
82135	Assay	32.81	33.41	22.68	22.46	22.75		
82136	Amino acids	38.80	39.51	22.18	22.16	23.31		
82139	Amino acids	93.43	95.14	21.14	19.74	23.31		
82140	Assay of ammonia	23.76	24.19	19.79	19.71	20.14		
82143	Amniotic fluid scan	14.14	14.40	9.49	9.69	9.50		
82145	Assay of amphetamines	10.46	10.65	15.00	14.29	21.48		
82150	Assay of amylase	9.16	9.32	8.96	8.87	8.96		
82154	Androstanediol glucuronide	55.96	56.98	39.46	39.05	39.85		
82157	Assay of androstenedione	40.41	41.14	36.01	35.67	40.46		
82160	Assay of androsterone	8.63	8.78	34.45	17.94	34.57		
82163	Assay of angiotensin II	29.40	29.94	28.17	28.20	28.37		
82164	Angiotensin I enzyme test	30.36	30.91	20.03	19.97	20.17		
82172	Assay of apolipoprotein	16.74	17.05	20.83	20.35	21.41		
82175	Assay of arsenic	30.58	31.14	25.81	25.64	26.22		
82180	Assay of ascorbic acid	20.63	21.01	13.32	13.32	13.66		
82190	Atomic absorption	13.01	13.25	20.50	20.49	20.60		

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount	
		Charge-based Relative Values (P _i ^C)						
		Universal Numeraire	Class- Based Numeraire	Current NLA-based Fee Schedule (P _i ^{NLA})				
82205	Assay of barbiturates	18.11	18.44	15.79	15.69	15.83		
82232	Assay of beta-2 protein	26.57	27.05	22.31	22.26	22.36		
82239	Bile acids	30.27	30.82	22.82	22.44	23.67		
82240	Bile acids	18.32	18.65	36.48	36.19	36.73		
82247 ^a	Bilirubin	2.42	2.47	6.88	6.88	6.94		
82248 ^a	Bilirubin	3.26	3.32	6.86	6.86	6.94		
82252	Fecal bilirubin test	3.62	3.68	4.74	4.54	6.28		
82261	Assay of biotinidase	28.54	29.06	23.31	21.13	23.31		
82270	Test for blood	4.57	4.66	3.49	3.48	3.50		
82273	Test for blood	4.86	4.94	4.43	4.40	4.49		
82286	Assay of bradykinin	3.47	3.53	9.52	9.50	9.52		
82300	Assay of cadmium	17.33	17.64	29.87	23.16	31.98		
82306	Assay of vitamin D	58.15	59.22	40.54	40.32	40.91		
82307	Assay of vitamin D	18.93	19.28	44.53	44.53	44.53		
82308	Assay of calcitonin	39.95	40.68	36.90	36.74	37.01		
82310 ^a	Assay of calcium	5.13	5.23	7.10	7.10	7.12		
82330	Assay of calcium	22.32	22.73	18.75	18.72	18.88		
82331	Calcium infusion test	8.79	8.95	7.15	7.14	7.15		
82340	Assay of calcium in urine	9.90	10.09	8.20	8.17	8.34		
82355	Calculus (stone) analysis	21.36	21.75	15.95	15.92	15.99		
82360	Calculus (stone) assay	16.91	17.22	16.40	16.58	17.80		
82365	Calculus (stone) assay	24.37	24.81	17.54	17.44	17.82		
82370	X-ray assay	16.51	16.81	17.27	17.20	17.32		
82374 ^a	Assay	3.35	3.41	6.61	6.61	6.76		
82375	Assay	12.99	13.23	15.71	15.62	17.03		
82376	Test for carbon monoxide	9.32	9.49	8.19	8.18	8.28		
82378	Carcinoembryonic antigen	26.88	27.37	26.21	26.18	26.22		
82379	Assay of carnitine	44.02	44.83	21.27	20.26	23.31		
82380	Assay of carotene	19.90	20.27	12.75	12.68	12.75		
82382	Assay	24.92	25.37	23.75	23.62	23.76		
82383	Assay	26.57	27.06	33.92	33.31	34.63		
82384	Assay	50.96	51.89	34.24	34.08	34.90		

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount				
		Charge-based Relative Values (P _i ^C)									
		Universal Numeraire	Class- Based Numeraire								
82387	Assay of cathepsin-d	21.38	21.77	28.75	20.33	28.75					
82390	Assay of ceruloplasmin	19.78	20.14	14.63	14.63	14.84					
82397	Chemiluminescent assay	13.31	13.55	18.12	18.03	19.53					
82415	Assay of chloramphenicol	12.12	12.34	17.51	17.11	17.51					
82435 ^a	Assay of blood chloride	2.33	2.37	6.23	6.23	6.35					
82436	Assay of urine chloride	7.17	7.30	6.69	6.69	6.95					
82438	Assay	16.64	16.95	6.67	6.64	6.76					
82441	Test for chlorohydrocarbons	3.72	3.79	8.30	8.30	8.30					
82465 ^a	Assay of serum cholesterol	4.85	4.94	6.02	6.02	6.02					
82480	Assay	14.77	15.04	10.45	10.41	10.89					
82482	Assay	21.87	22.27	10.29	10.29	10.62					
82485	Assay	20.30	20.67	28.21	26.07	28.54					
82486	Gas/liquid chromatography	18.92	19.27	24.87	24.74	24.96					
82487	Paper chromatography	11.69	11.90	22.06	8.62	22.06					
82488	Paper chromatography	12.54	12.77	29.53	28.67	29.53					
82489	Thin layer chromatography	52.73	53.70	25.02	25.03	25.56					
82491	Chromotography	23.87	24.31	24.41	19.99	24.96					
82492	Chromotography	18.83	19.18	24.79	24.71	24.96					
82495	Assay of chromium	23.26	23.68	24.35	22.66	28.03					
82507	Assay of citrate	33.70	34.32	35.82	35.44	38.43					
82520	Assay of cocaine	15.43	15.71	20.72	19.74	20.94					
82523	Collagen crosslinks	31.78	32.37	24.72	24.54	25.83					
82525	Assay of copper	21.19	21.58	16.84	16.63	17.15					
82528	Assay of corticosterone	62.94	64.09	31.11	30.62	31.11					
82530	Cortisol	27.95	28.46	23.05	22.59	23.10					
82533	Total cortisol	24.97	25.43	22.48	22.34	22.53					
82540	Assay of creatine	5.80	5.91	6.40	6.38	6.40					
82541	Column chromatography	50.40	51.32	24.70	24.16	24.96					
82542	Column chromatography	48.27	49.16	23.68	22.80	24.96					
82543	Column chromatograph/isotope	52.21	53.16	24.91	24.91	24.96					
82544	Column chromatograph/isotope	20.82	21.20	24.96	25.00	24.96					
82550 ^a	Assay of ck (cpk)	8.23	8.38	9.00	9.00	9.01					

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount				
		Charge-based Relative Values (P _i ^C)									
		Universal Numeraire	Class- Based Numeraire								
82552	Assay of cpk in blood	20.04	20.41	17.99	17.81	18.51					
82553	Creatine	16.27	16.56	13.22	13.20	15.95					
82554	Creatine	7.05	7.18	10.68	10.68	16.40					
82565 ^a	Assay of creatinine	4.69	4.77	7.04	7.04	7.07					
82570	Assay of urine creatinine	9.62	9.80	7.08	7.06	7.15					
82575	Creatinine clearance test	14.69	14.96	13.01	12.99	13.06					
82585	Assay of cryofibrinogen	12.31	12.54	11.68	11.63	11.85					
82595	Assay of cryoglobulin	15.65	15.94	8.70	8.71	8.95					
82600	Assay of cyanide	29.74	30.29	26.61	24.46	26.81					
82607	Vitamin B-12	21.21	21.60	20.79	20.74	20.83					
82608	B-12 binding capacity	15.06	15.34	19.80	19.74	19.80					
82615	Test for urine cystines	19.04	19.39	11.23	11.22	11.29					
82626	Dehydroepiandrosterone	44.94	45.76	34.87	34.24	34.93					
82627	Dehydroepiandrosterone	35.65	36.30	30.68	30.63	30.72					
82633	Desoxycorticosterone	57.70	58.75	40.18	38.18	42.81					
82634	Deoxycortisol	37.67	38.36	37.58	38.05	40.46					
82638	Assay of dibucaine number	18.42	18.76	16.81	16.52	16.92					
82646	Assay of dihydrocodeinone	19.88	20.24	28.49	28.29	28.54					
82649	Assay of dihydromorphinone	23.42	23.85	35.52	35.52	35.52					
82651	Assay of dihydrotestosterone	33.76	34.38	35.55	34.50	35.68					
82652	Assay of dihydroxyvitamin d	65.38	66.58	50.69	49.82	53.19					
82654	Assay of dimethadione	22.20	22.61	19.12	18.17	19.14					
82657	Enzyme cell activity	20.69	21.07	24.02	23.80	24.96					
82658	Enzyme cell activity	42.90	43.69	24.80	24.80	24.96					
82664	Electrophoretic test	47.40	48.26	47.16	46.94	47.48					
82666	Assay of epiandrosterone	7.05	7.17	29.63	16.78	29.69					
82668	Assay of erythropoietin	41.90	42.67	25.74	25.76	25.97					
82670	Assay of estradiol	35.76	36.41	38.21	37.69	38.62					
82671	Assay of estrogens	43.11	43.90	43.44	41.47	44.64					
82672	Assay of estrogen	43.99	44.79	28.59	28.49	29.97					
82677	Assay of estriol	22.95	23.37	32.95	32.11	33.43					
82679	Assay of estrone	33.20	33.81	32.79	32.25	34.50					

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price				
		Charge-based Relative Values (P_i^C)		Current NLA-based Fee Schedule (P_i^{NLA})	Average Prices Derived from Actual Current Payments (P_i^a)	NLA Amount
		Universal Numeraire	Class- Based Numeraire			
82690	Assay of ethchlorvynol	13.80	14.05	23.83	23.82	23.89
82693	Assay of ethylene glycol	20.13	20.49	19.82	20.00	20.59
82696	Assay of etiocholanolone	7.70	7.84	32.60	17.33	32.60
82705	Fats/lipids	16.41	16.71	6.45	6.42	7.04
82710	Fats/lipids	20.07	20.44	22.93	22.87	23.21
82715	Assay of fecal fat	10.06	10.24	23.66	23.65	23.79
82725	Assay of blood fatty acids	8.36	8.51	17.39	15.01	18.40
82726	Long chain fatty acids	36.25	36.92	24.71	24.69	24.96
82728	Assay of ferritin	20.42	20.80	18.80	18.77	18.83
82731	Assay of fetal fibronectin	83.13	84.65	20.27	20.29	20.83
82735	Assay of fluoride	15.93	16.22	23.36	21.53	25.63
82742	Assay of flurazepam	15.42	15.71	27.30	27.18	27.36
82746	Blood folic acid serum	19.58	19.93	20.19	20.15	20.32
82747	Assay of folic acid	31.45	32.02	22.42	22.50	23.93
82757	Assay of semen fructose	19.37	19.73	23.56	23.48	23.97
82760	Assay of galactose	5.91	6.02	15.45	15.43	15.47
82775	Assay galactose transferase	46.62	47.47	29.11	28.50	29.11
82776	Galactose transferase test	22.12	22.52	11.59	11.80	11.59
82784	Assay of gammaglobulin igm	14.32	14.58	12.31	12.26	12.85
82785	Assay of gammaglobulin ige	21.53	21.93	22.33	22.26	22.76
82787	Igg 1	47.02	47.88	33.03	33.05	44.33
82800	Blood pH	12.48	12.71	10.44	10.43	11.71
82803	Blood gases: pH	19.45	19.81	26.17	26.13	26.74
82805	Blood gases W/02 saturation	24.55	25.00	38.52	37.60	39.21
82810	Blood gases	9.52	9.70	11.95	11.91	12.06
82820	Hemoglobin-oxygen affinity	6.32	6.44	13.82	13.82	13.82
82926	Assay of gastric acid	12.17	12.39	7.47	7.00	7.53
82928	Assay of gastric acid	11.94	12.16	9.01	8.94	9.05
82938	Gastrin test	11.87	12.09	24.46	22.00	24.46
82941	Assay of gastrin	27.95	28.46	24.37	24.05	24.38
82943	Assay of glucagon	40.49	41.23	19.13	18.88	19.75
82946	Glucagon tolerance test	8.41	8.56	19.16	12.46	20.83

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount				
		Charge-based Relative Values (P _i ^C)									
		Universal Numeraire	Class- Based Numeraire								
82947 ^a	Assay of glucose	4.59	4.68	5.40	5.40	5.42					
82948	Reagent strip/blood glucose	4.22	4.29	4.33	4.30	4.37					
82950	Glucose test	5.02	5.11	6.54	6.49	6.56					
82951	Glucose tolerance test (GTT)	12.69	12.92	16.97	16.41	17.80					
82952	GTT-added samples	4.55	4.63	5.13	5.08	5.42					
82953	Glucose-tolbutamide test	9.91	10.09	20.93	20.60	20.93					
82955	Assay of g6pd enzyme	15.29	15.57	12.69	12.63	13.40					
82960	Test for G6PD enzyme	9.18	9.35	8.24	8.23	8.38					
82962	Glucose blood test	4.23	4.31	4.34	4.32	4.37					
82963	Assay of glucosidase	34.38	35.01	29.69	26.37	29.69					
82965	Assay of gdh enzyme	4.85	4.94	9.09	9.02	10.68					
82975	Assay of glutamine	9.29	9.46	21.88	21.80	21.88					
82977 ^a	Assay of GGT	5.33	5.42	9.88	9.88	9.95					
82978	Assay of glutathione	8.91	9.07	19.23	18.49	19.70					
82979	Assay	13.39	13.64	9.52	9.52	9.52					
82980	Assay of glutethimide	7.32	7.45	25.32	20.00	25.32					
82985	Glycated protein	13.11	13.35	20.67	20.59	20.83					
83001	Gonadotropin (FSH)	24.82	25.27	25.64	25.61	25.69					
83002	Gonadotropin (LH)	24.22	24.67	25.56	25.52	25.60					
83003	Assay	26.60	27.08	23.02	22.81	23.04					
83008	Assay of guanosine	8.31	8.47	23.20	22.00	23.20					
83010	Assay of haptoglobin	22.41	22.82	16.97	16.60	17.38					
83012	Assay of haptoglobins	19.40	19.76	23.76	23.83	23.76					
83013	H pylori breath tst analysis	66.23	67.44	90.96	89.97	93.09					
83014	H pylori drug admin/collect	15.26	15.54	10.86	10.86	10.86					
83015	Heavy metal screen	14.06	14.32	25.59	20.14	26.03					
83018	Quantitative screen	16.39	16.69	29.53	18.20	30.35					
83020	Hemoglobin electrophoresis	18.05	18.38	17.22	17.09	17.80					
83021	Hemoglobin chromatography	30.45	31.00	22.39	22.29	24.96					
83026	Hemoglobin	3.19	3.25	3.26	3.25	3.26					
83030	Fetal hemoglobin assay	14.45	14.71	10.88	10.83	11.43					
83033	Fetal fecal hemoglobin assay	7.81	7.96	8.10	8.05	8.24					

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount				
		Charge-based Relative Values (P _i ^c)									
		Universal Numeraire	Class- Based Numeraire								
83036	Glycated hemoglobin test	15.30	15.58	13.38	13.38	13.42					
83045	Blood methemoglobin test	3.24	3.30	6.34	6.33	6.85					
83050	Blood methemoglobin assay	6.63	6.75	7.87	7.86	10.12					
83051	Assay of plasma hemoglobin	9.66	9.83	8.58	8.56	10.10					
83055	Blood sulfhemoglobin test	20.74	21.11	5.84	4.90	6.80					
83060	Blood sulfhemoglobin assay	5.67	5.77	11.27	11.27	11.43					
83065	Assay of hemoglobin heat	9.42	9.59	9.52	9.54	9.52					
83068	Hemoglobin stability screen	11.03	11.23	7.62	7.61	11.71					
83069	Assay of urine hemoglobin	11.12	11.32	4.88	4.80	5.45					
83070	Assay of hemosiderin	15.15	15.43	6.25	6.14	6.56					
83071	Assay of hemosiderin	10.30	10.49	9.39	9.63	9.50					
83080	Assay of b hexosaminidase	32.70	33.30	23.17	23.15	23.31					
83088	Assay of histamine	51.02	51.95	40.64	39.65	40.81					
83150	Assay of for hva	15.89	16.18	23.16	23.01	26.74					
83491	Assay of corticosteroids	32.45	33.04	24.09	23.96	24.21					
83497	Assay of 5-hiaa	27.25	27.75	16.69	16.65	17.82					
83498	Assay of progesterone	35.91	36.57	34.48	34.34	37.54					
83499	Assay of progesterone	9.12	9.29	34.83	20.80	34.83					
83500	Assay	30.64	31.20	25.69	24.81	31.30					
83505	Assay	55.34	56.35	33.45	33.36	33.59					
83516	Immunoassay	12.66	12.89	15.69	5.67	15.95					
83518	Immunoassay	8.94	9.11	11.48	11.48	11.72					
83519	Immunoassay	38.70	39.41	18.48	18.08	18.67					
83520	Immunoassay	25.10	25.56	17.89	12.75	17.89					
83525	Assay of insulin	18.36	18.70	15.77	15.73	15.81					
83527	Assay of insulin	23.70	24.14	17.85	17.57	17.90					
83528	Assay of intrinsic factor	14.46	14.72	21.98	22.00	21.98					
83540	Assay of iron	8.29	8.45	8.94	8.55	8.95					
83550	Iron binding test	11.96	12.18	11.67	11.66	12.08					
83570	Assay of idh enzyme	7.57	7.70	12.22	11.82	12.22					
83582	Assay of ketogenic steroids	28.40	28.92	19.58	19.63	19.59					
83586	Assay 17-ketosteroids	22.46	22.87	17.51	17.08	17.69					

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount				
		Charge-based Relative Values (P _i ^C)									
		Universal Numeraire	Class- Based Numeraire								
83593	Fractionation	18.17	18.50	32.26	19.64	36.35					
83605	Assay of lactic acid	27.48	27.99	14.21	14.10	14.76					
83615 ^a	Lactate (LD) (LDH) enzyme	5.11	5.20	8.32	8.32	8.35					
83625	Assay of ldh enzymes	16.04	16.33	17.01	16.98	17.69					
83632	Placental lactogen	15.04	15.31	27.93	26.81	27.93					
83633	Test urine for lactose	5.91	6.01	7.25	7.33	7.61					
83634	Assay of urine for lactose	8.39	8.55	15.92	16.00	15.92					
83655	Assay of lead	17.77	18.10	16.71	16.49	16.72					
83661	Assay of l/s ratio	45.30	46.12	30.31	29.14	30.38					
83670	Assay of lap enzyme	20.79	21.17	12.22	12.05	12.66					
83690	Assay of lipase	12.08	12.30	9.38	9.38	9.52					
83715	Assay of blood lipoproteins	11.63	11.84	15.52	15.45	15.56					
83716	Assay of blood lipoproteins	35.94	36.60	32.45	30.68	34.30					
83718 ^a	Assay of lipoprotein	8.70	8.86	11.29	11.29	11.31					
83719	Assay of blood lipoprotein	8.67	8.83	15.81	15.78	16.08					
83721	Assay of blood lipoprotein	8.87	9.04	13.14	13.04	13.18					
83727	Assay of lrh hormone	32.27	32.86	23.76	23.18	23.76					
83735	Assay of magnesium	9.03	9.19	9.23	9.10	9.26					
83775	Assay of md enzyme	11.32	11.53	10.19	10.14	10.19					
83785	Assay of manganese	16.39	16.69	30.58	27.31	33.98					
83788	Mass spectrometry qual	12.89	13.13	24.96	25.00	24.96					
83789	Mass spectrometry quant	34.09	34.72	24.22	24.21	24.96					
83805	Assay of meprobamate	37.55	38.23	24.36	24.32	24.36					
83825	Assay of mercury	26.84	27.33	21.99	21.84	22.47					
83835	Assay of metanephhrines	49.74	50.65	23.36	23.24	23.41					
83840	Assay of methadone	16.31	16.61	19.69	19.23	22.56					
83857	Assay of methemalbumin	19.52	19.88	14.84	15.00	14.84					
83858	Assay of methsuximide	25.45	25.91	18.60	18.23	20.48					
83864	Mucopolysaccharides	21.55	21.95	26.71	26.71	27.51					
83866	Mucopolysaccharides screen	13.28	13.53	13.62	12.63	13.62					
83872	Assay synovial fluid mucin	7.61	7.75	8.05	8.03	8.10					
83873	Assay of csf protein	33.69	34.31	23.68	23.67	23.78					

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount	
		Charge-based Relative Values (P _i ^C)						
		Universal Numeraire	Class- Based Numeraire	Current NLA-based Fee Schedule (P _i ^{NLA})				
83874	Assay of myoglobin	28.14	28.66	17.77	17.60	17.84		
83883	Assay	17.38	17.70	18.27	17.63	18.79		
83885	Assay of nickel	10.50	10.70	32.18	20.37	33.86		
83887	Assay of nicotine	23.89	24.33	32.31	31.68	32.73		
83890	Molecule isolate	11.36	11.57	5.38	5.39	5.54		
83891	Molecule isolate nucleic	12.59	12.82	5.49	5.03	5.54		
83892	Molecular diagnostics	9.24	9.41	5.49	5.28	5.54		
83893	Molecule dot/slot/blot	10.03	10.21	5.44	5.32	5.54		
83894	Molecule gel electrophor	11.27	11.48	5.46	5.10	5.54		
83896	Molecular diagnostics	10.14	10.33	5.41	5.34	5.54		
83897	Molecule nucleic transfer	10.06	10.25	5.50	5.52	5.54		
83898	Molecule nucleic ampli	20.30	20.67	21.30	20.20	23.17		
83901	Molecule nucleic ampli	13.93	14.19	17.64	10.38	23.17		
83902	Molecular diagnostics	14.51	14.77	13.08	13.00	19.61		
83903	Molecule mutation scan	24.45	24.90	18.78	16.93	23.17		
83904	Molecule mutation identify	16.16	16.45	16.70	16.30	23.17		
83905	Molecule mutation identify	12.35	12.58	22.72	22.00	23.17		
83906	Molecule mutation identify	13.66	13.91	23.17	18.50	23.17		
83912	Genetic examination	14.79	15.06	5.42	5.35	5.54		
83915	Assay of nucleotidase	13.81	14.06	15.39	15.32	15.41		
83916	Oligoclonal bands	23.25	23.67	27.55	27.45	27.79		
83918	Assay	57.24	58.29	22.69	22.65	22.75		
83919	Assay	23.71	24.14	22.71	22.62	22.75		
83925	Assay of opiates	16.34	16.64	26.49	24.92	26.89		
83930	Assay of blood osmolality	11.47	11.68	8.84	8.80	9.13		
83935	Assay of urine osmolality	16.17	16.47	9.18	9.17	9.42		
83937	Assay of osteocalcin	17.77	18.10	30.04	29.98	41.26		
83945	Assay of oxalate	18.42	18.76	17.76	17.73	17.80		
83970	Assay of parathormone	64.38	65.56	57.04	57.00	57.04		
83986	Assay of body fluid acidity	4.74	4.82	4.86	4.86	4.95		
83992	Assay for phencyclidine	9.61	9.79	20.30	19.95	20.31		
84022	Assay of phenothiazine	31.29	31.86	21.06	20.98	21.53		

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount				
		Charge-based Relative Values (P _i ^C)									
		Universal Numeraire	Class- Based Numeraire								
84030	Assay of blood pk	27.28	27.78	7.52	7.51	7.61					
84035	Assay of phenylketones	7.62	7.76	4.78	4.75	5.05					
84060	Assay acid phosphatase	9.03	9.19	10.17	10.11	10.20					
84061	Phosphatase	6.39	6.50	10.94	11.00	10.94					
84066	Assay prostate phosphatase	12.15	12.38	13.35	13.34	13.35					
84075 ^a	Assay alkaline phosphatase	2.99	3.04	7.15	7.15	7.15					
84078	Assay alkaline phosphatase	9.63	9.81	10.03	9.83	10.09					
84080	Assay alkaline phosphatases	20.83	21.21	19.22	19.06	20.44					
84081	Amniotic fluid enzyme test	36.10	36.75	22.84	22.72	22.84					
84085	Assay of rbc pg6d enzyme	3.41	3.47	9.32	9.33	9.32					
84087	Assay phosphohexose enzymes	19.54	19.90	12.17	12.14	14.27					
84100 ^a	Assay of phosphorus	5.18	5.27	6.51	6.51	6.56					
84105	Assay of urine phosphorus	7.49	7.63	7.11	7.09	7.15					
84106	Test for porphobilinogen	6.44	6.56	5.89	5.95	5.92					
84110	Assay of porphobilinogen	15.38	15.67	11.65	11.23	11.68					
84119	Test urine for porphyrins	14.29	14.55	11.62	11.70	11.90					
84120	Assay of urine porphyrins	34.12	34.74	20.18	20.05	20.33					
84126	Assay of feces porphyrins	33.50	34.11	34.51	31.38	35.20					
84127	Assay of feces porphyrins	9.82	10.00	15.01	15.00	16.10					
84132 ^a	Assay of serum potassium	5.06	5.15	6.35	6.35	6.35					
84133	Assay of urine potassium	7.66	7.80	5.93	5.52	5.94					
84134	Assay of prealbumin	25.25	25.71	17.59	17.52	20.16					
84135	Assay of pregnanediol	8.61	8.76	25.74	14.99	26.44					
84138	Assay of pregnanetriol	10.46	10.66	25.97	16.31	26.16					
84140	Assay of pregnenolone	29.16	29.69	28.46	26.40	28.58					
84143	Assay of 17-hydroxypregneno	36.44	37.11	31.22	30.75	31.54					
84144	Assay of progesterone	22.69	23.10	28.67	28.11	28.83					
84146	Assay of prolactin	29.80	30.34	26.78	26.74	26.78					
84150	Assay of prostaglandin	15.29	15.57	33.66	27.60	34.50					
84153	Assay of PSA total	24.47	24.92	25.38	25.34	25.42					
84154	Assay of PSA free	20.49	20.87	25.36	25.15	25.42					
84155 ^a	Assay of protein	3.00	3.05	5.05	5.05	5.06					

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount				
		Charge-based Relative Values (P _i ^c)									
		Universal Numeraire	Class- Based Numeraire								
84160	Assay of serum protein	5.87	5.98	7.09	6.91	7.15					
84165	Assay of serum proteins	17.72	18.05	14.84	14.76	14.84					
84181	Western blot test	33.63	34.25	23.06	22.81	23.54					
84182	PROTEIN western blot test	52.44	53.39	24.68	24.48	24.87					
84202	Assay RBC protoporphyrin	14.04	14.30	19.79	19.79	19.83					
84203	Test RBC protoporphyrin	13.31	13.56	11.84	11.81	11.89					
84206	Assay of proinsulin	52.06	53.02	24.51	23.95	24.62					
84207	Assay of vitamin b-6	50.30	51.22	37.51	36.97	38.82					
84210	Assay of pyruvate	14.48	14.74	14.94	14.50	15.01					
84220	Assay of pyruvate kinase	21.31	21.70	12.85	11.53	13.04					
84228	Assay of quinine	27.42	27.92	15.57	15.34	16.08					
84233	Assay of estrogen	65.56	66.76	88.93	82.39	89.01					
84234	Assay of progesterone	65.82	67.02	89.56	88.94	89.64					
84235	Assay of endocrine hormone	57.96	59.02	72.01	65.45	72.31					
84238	Assay	58.51	59.57	50.53	47.26	50.53					
84244	Assay of renin	38.59	39.29	30.34	30.24	30.40					
84252	Assay of vitamin b-2	31.39	31.96	26.94	26.89	27.96					
84255	Assay of selenium	20.77	21.15	33.14	26.98	35.28					
84260	Assay of serotonin	89.66	91.30	34.21	34.49	42.81					
84270	Assay of sex hormone globul	24.70	25.15	28.05	28.17	30.03					
84275	Assay of sialic acid	26.05	26.53	17.50	17.91	18.56					
84285	Assay of silica	17.69	18.02	30.69	4.56	32.55					
84295 ^a	Assay of serum sodium	3.77	3.84	6.59	6.59	6.65					
84300	Assay of urine sodium	8.37	8.52	6.56	6.56	6.72					
84305	Assay of somatomedin	59.51	60.60	26.67	26.42	29.38					
84307	Assay of somatostatin	70.45	71.74	24.59	24.49	25.27					
84311	Spectrophotometry	11.15	11.35	9.65	9.63	9.66					
84315	Body fluid specific gravity	2.30	2.35	3.44	3.44	3.46					
84375	Chromatogram assay	10.04	10.23	17.30	17.26	27.09					
84376	Sugars	8.89	9.05	6.29	6.40	7.61					
84377	Sugars	22.61	23.02	7.18	7.18	7.61					
84378	Sugars single quant	12.27	12.50	15.92	10.70	15.92					

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price				
		Charge-based Relative Values (P_i^C)		Current NLA-based Fee Schedule (P_i^{NLA})	Average Prices Derived from Actual Current Payments (P_i^a)	NLA Amount
		Universal Numeraire	Class- Based Numeraire			
84379	Sugars multiple quant	6.66	6.78	15.92	16.00	15.92
84392	Assay of urine sulfate	9.11	9.27	6.56	6.56	6.56
84402	Assay of testosterone	37.61	38.30	35.15	34.70	35.19
84403	Assay of total testosterone	38.08	38.78	35.49	35.40	35.68
84425	Assay of vitamin b-1	36.29	36.95	26.78	26.45	29.35
84430	Assay of thiocyanate	23.16	23.58	15.73	15.52	16.08
84432	Assay of thyroglobulin	25.23	25.69	21.97	21.82	22.20
84436 ^a	Assay of total thyroxine	8.80	8.96	9.37	9.37	9.50
84437	Assay of neonatal thyroxine	14.96	15.23	8.66	8.64	8.95
84439	Assay of free thyroxine	18.47	18.81	12.39	12.35	12.46
84442	Assay of thyroid activity	12.02	12.24	20.38	20.27	20.44
84443 ^a	Assay thyroid stim hormone	21.87	22.27	23.17	23.17	23.21
84445	Assay of tsi	80.82	82.30	65.12	66.16	70.28
84446	Assay of vitamin e	26.08	26.56	19.59	19.25	19.60
84449	Assay of transcortin	12.37	12.60	24.41	24.01	24.87
84450 ^a	Transferase (AST) (SGOT)	4.33	4.41	7.14	7.14	7.14
84460 ^a	Alanine amino (ALT) (SGPT)	4.94	5.03	7.30	7.30	7.32
84466	Assay of transferrin	17.88	18.21	17.51	17.50	17.65
84478 ^a	Assay of triglycerides	4.87	4.96	7.94	7.94	7.95
84479 ^a	Assay of thyroid (t3 or t4)	8.00	8.15	8.80	8.80	8.95
84480	Assay	19.65	20.00	19.33	19.30	19.60
84481	Free assay (FT-3)	32.07	32.65	22.62	22.36	23.41
84482	T3 reverse	55.94	56.96	19.05	18.99	21.78
84484	Assay of troponin	22.99	23.41	13.20	13.22	13.60
84485	Assay duodenal fluid trypsin	31.13	31.70	10.35	10.28	10.37
84488	Test feces for trypsin	14.62	14.89	9.66	8.56	10.09
84490	Assay of feces for trypsin	6.63	6.75	10.51	10.50	10.52
84510	Assay of tyrosine	25.26	25.72	14.08	13.75	14.38
84512	Assay of troponin	20.63	21.01	10.14	10.14	10.64
84520 ^a	Assay of urea nitrogen	4.25	4.32	5.43	5.43	5.45
84525	Urea nitrogen semi-quant	5.24	5.34	5.09	5.09	5.19
84540	Assay of urine/urea-n	8.16	8.31	6.46	6.46	6.56

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount	
		Charge-based Relative Values (P _i ^C)						
		Universal Numeraire	Class- Based Numeraire	Current NLA-based Fee Schedule (P _i ^{NLA})				
84545	Urea-N clearance test	11.51	11.72	8.23	8.23	9.12		
84550 ^a	Assay of blood/uric acid	4.60	4.69	6.25	6.25	6.25		
84560	Assay of urine/uric acid	10.21	10.40	6.45	6.43	6.56		
84577	Assay of feces/urobilinogen	6.35	6.46	17.15	17.10	17.24		
84578	Test urine urobilinogen	3.67	3.74	4.48	4.48	4.48		
84580	Assay of urine urobilinogen	13.42	13.67	8.83	8.66	9.81		
84583	Assay of urine urobilinogen	3.40	3.46	6.89	6.89	6.95		
84585	Assay of urine vma	29.61	30.15	21.25	21.19	21.42		
84586	Assay of vip	60.98	62.09	37.66	32.11	48.83		
84588	Assay of vasopressin	65.18	66.37	46.66	46.04	46.91		
84590	Assay of vitamin a	26.52	27.00	15.91	15.70	16.02		
84597	Assay of vitamin K	48.69	49.58	17.28	16.52	18.94		
84600	Assay of volatiles	14.18	14.44	22.07	21.67	22.21		
84620	Xylose tolerance test	13.69	13.94	16.26	15.61	16.37		
84630	Assay of zinc	18.91	19.25	15.56	15.54	15.74		
84681	Assay of c-peptide	32.75	33.35	25.99	25.88	28.75		
84702	Chorionic gonadotropin test	25.58	26.04	15.60	15.57	20.80		
84703	Chorionic gonadotropin assay	11.78	11.99	10.20	10.14	10.38		
84830	Ovulation tests	5.33	5.43	13.87	10.50	13.87		
85002	Bleeding time test	8.54	8.81	5.96	5.95	6.22		
85007	Differential WBC count	4.67	4.82	4.69	4.68	4.76		
85008	Nondifferential WBC count	3.12	3.21	4.70	4.70	4.76		
85009	Differential WBC count	2.85	2.93	4.92	4.92	5.14		
85013	Hematocrit	3.84	3.96	3.25	3.24	3.27		
85014	Hematocrit	4.36	4.49	3.25	3.25	3.27		
85018	Hemoglobin	4.37	4.51	3.25	3.24	3.27		
85021	Automated hemogram	7.59	7.82	7.68	7.65	7.72		
85022 ^a	Automated hemogram	9.04	9.32	7.58	7.58	7.59		
85023	Automated hemogram	10.21	10.53	11.58	11.55	11.71		
85024	Automated hemogram	8.63	8.89	11.44	11.43	11.70		
85025 ^a	Automated hemogram	9.48	9.78	10.64	10.64	10.74		
85027	Automated hemogram	7.99	8.24	8.83	8.82	8.95		

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount				
		Charge-based Relative Values (P _i ^C)									
		Universal Numeraire	Class- Based Numeraire								
85031	Manual hemogram	6.82	7.03	8.10	8.07	8.18					
85041	Red blood cell (RBC) count	6.57	6.77	4.15	4.14	4.16					
85044	Reticulocyte count	7.30	7.53	5.92	5.92	5.94					
85045	Reticulocyte count	7.91	8.16	5.54	5.54	5.54					
85046	Reticyte/hgb concentrate	7.78	8.02	7.38	7.38	7.72					
85048	White blood cell (WBC) count	5.67	5.85	3.51	3.51	3.52					
85130	Chromogenic substrate assay	25.21	25.99	16.18	16.14	16.44					
85170	Blood clot retraction	4.85	5.00	5.00	5.00	5.00					
85175	Blood clot lysis time	3.85	3.97	6.28	6.20	6.28					
85210	Blood clot factor II test	11.34	11.69	17.65	17.41	17.95					
85220	Blood clot factor V test	51.50	53.09	23.67	23.64	24.39					
85230	Blood clot factor VII test	47.25	48.71	24.25	24.23	24.75					
85240	Blood clot factor VIII test	48.65	50.16	21.27	21.27	24.75					
85244	Blood clot factor VIII test	29.26	30.16	27.01	26.98	28.22					
85245	Blood clot factor VIII test	42.53	43.85	30.14	30.17	31.72					
85246	Blood clot factor VIII test	52.51	54.13	29.59	29.58	31.72					
85247	Blood clot factor VIII test	65.85	67.89	29.38	29.32	31.72					
85250	Blood clot factor IX test	50.45	52.02	25.76	25.63	26.31					
85260	Blood clot factor X test	48.09	49.58	24.23	24.21	24.75					
85270	Blood clot factor XI test	48.55	50.06	24.28	24.18	24.75					
85280	Blood clot factor XII test	52.36	53.98	26.28	26.26	26.74					
85290	Blood clot factor XIII test	40.58	41.84	21.22	22.22	22.58					
85291	Blood clot factor XIII test	30.41	31.36	12.25	12.17	12.28					
85292	Blood clot factor assay	46.58	48.02	26.17	26.13	26.17					
85293	Blood clot factor assay	31.45	32.43	26.17	26.00	26.17					
85300	Antithrombin III test	39.24	40.45	15.03	15.10	16.38					
85301	Antithrombin III test	41.07	42.35	14.95	14.93	14.95					
85302	Blood clot inhibitor antigen	48.81	50.32	16.61	16.60	16.61					
85303	Blood clot inhibitor test	43.28	44.62	19.03	19.00	19.11					
85305	Blood clot inhibitor assay	41.18	42.46	16.02	15.98	16.02					
85306	Blood clot inhibitor test	50.07	51.62	20.67	20.62	21.18					
85335	Factor inhibitor test	40.27	41.51	16.39	17.36	17.80					

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount	
		Charge-based Relative Values (P _i ^C)						
		Universal Numeraire	Class- Based Numeraire	Current NLA-based Fee Schedule (P _i ^{NLA})				
85337	Thrombomodulin	15.32	15.80	14.41	14.38	14.41		
85345	Coagulation time	3.56	3.67	5.94	5.94	5.94		
85347	Coagulation time	7.96	8.21	5.75	5.74	5.88		
85348	Coagulation time	6.41	6.61	5.14	5.14	5.14		
85360	Euglobulin lysis	22.70	23.40	10.62	10.49	11.61		
85362	Fibrin degradation products	20.66	21.30	9.30	9.30	9.52		
85366	Fibrinogen test	21.77	22.44	11.88	11.83	11.90		
85370	Fibrinogen test	9.00	9.28	15.26	15.03	15.70		
85378	Fibrin degradation	26.75	27.58	9.79	9.77	9.86		
85379	Fibrin degradation	26.40	27.22	13.04	13.22	14.06		
85384	Fibrinogen	13.83	14.25	11.73	11.72	11.74		
85385	Fibrinogen	13.87	14.30	11.74	11.66	11.74		
85390	Fibrinolysins screen	12.84	13.24	7.13	7.13	7.13		
85400	Fibrinolytic plasmin	9.63	9.93	12.22	10.00	12.22		
85410	Fibrinolytic antiplasmin	30.58	31.52	10.27	10.04	10.66		
85415	Fibrinolytic plasminogen	45.91	47.33	23.42	23.08	23.76		
85420	Fibrinolytic plasminogen	29.45	30.36	9.02	8.97	9.04		
85421	Fibrinolytic plasminogen	47.56	49.04	13.78	13.75	14.07		
85441	Heinz bodies	15.82	16.31	5.74	5.85	5.81		
85445	Heinz bodies	10.22	10.53	9.42	9.00	9.42		
85460	Hemoglobin	12.23	12.61	10.34	10.28	10.69		
85461	Hemoglobin	6.75	6.96	9.17	8.33	9.17		
85475	Hemolysin	30.46	31.41	11.56	11.57	12.26		
85520	Heparin assay	43.48	44.83	16.59	17.56	18.09		
85525	Heparin	12.83	13.23	16.32	16.25	16.38		
85535	Iron stain	10.43	10.75	8.78	8.67	8.95		
85540	WBC alkaline phosphatase	20.95	21.60	11.63	11.56	11.88		
85547	RBC mechanical fragility	5.68	5.85	10.02	9.43	11.88		
85549	Muramidase	30.05	30.98	24.99	25.10	25.92		
85555	RBC osmotic fragility	33.85	34.89	8.91	9.05	9.24		
85557	RBC osmotic fragility	35.87	36.98	17.56	17.50	18.46		
85576	Blood platelet aggregation	13.76	14.18	19.98	19.72	29.69		

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount				
		Charge-based Relative Values (P _i ^C)									
		Universal Numeraire	Class- Based Numeraire								
85585	Blood platelet estimation	4.99	5.14	4.50	4.49	4.76					
85590	Platelet count	5.05	5.20	5.94	5.93	5.94					
85595	Platelet count	5.42	5.59	6.17	6.15	6.18					
85597	Platelet neutralization	18.62	19.19	23.66	22.96	24.84					
85610	Prothrombin time	6.60	6.81	5.42	5.42	5.43					
85611	Prothrombin test	6.23	6.43	5.45	5.44	5.45					
85612	Viper venom prothrombin time	5.32	5.49	7.45	7.45	13.22					
85613	Russell viper venom	25.06	25.84	12.27	12.26	13.22					
85635	Reptilase test	21.34	22.00	13.57	13.58	13.61					
85651 ^a	Rbc sed rate	5.73	5.91	4.90	4.90	4.91					
85652	Rbc sed rate	7.16	7.38	3.73	3.71	3.73					
85660	RBC sickle cell test	9.70	10.00	7.52	7.51	7.63					
85670	Thrombin time	8.66	8.93	7.51	7.48	7.98					
85675	Thrombin time	17.01	17.54	9.27	9.11	9.47					
85705	Thromboplastin inhibition	25.07	25.85	11.90	12.16	13.31					
85730	Thromboplastin time	8.81	9.08	8.27	8.24	8.30					
85732	Thromboplastin time	14.13	14.57	8.91	8.72	8.95					
85810	Blood viscosity examination	18.44	19.01	15.85	15.49	16.14					
86000	Agglutinins	8.60	7.70	9.43	9.16	9.65					
86003 ^a	Allergen specific IgE	5.84	5.23	7.12	7.12	7.22					
86005 ^a	Allergen specific IgE	12.43	11.14	10.48	10.48	11.02					
86021	WBC antibody identification	35.91	32.19	18.46	18.90	20.80					
86022	Platelet antibodies	50.79	45.52	22.88	23.29	25.38					
86023	Immunoglobulin assay	42.87	38.42	16.57	16.41	17.21					
86038	Antinuclear antibodies	18.67	16.73	16.65	16.54	16.70					
86039	Antinuclear antibodies (ANA)	12.45	11.16	15.42	15.34	15.43					
86060	Antistreptolysin o	9.08	8.14	9.92	9.90	10.09					
86063	Antistreptolysin o	6.23	5.59	7.89	7.46	7.98					
86140	C-reactive protein	11.24	10.07	7.04	7.01	7.15					
86147	Cardiolipin antibody	26.84	24.06	26.14	23.98	35.16					
86148	Phospholipid antibody	23.12	20.72	20.87	16.99	22.20					
86155	Chemotaxis assay	21.40	19.18	22.08	20.24	22.08					

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount				
		Charge-based Relative Values (P _i ^C)									
		Universal Numeraire	Class- Based Numeraire								
86156	Cold agglutinin	6.87	6.16	9.10	9.10	9.26					
86157	Cold agglutinin	14.61	13.10	10.69	10.70	11.14					
86160	Complement	17.91	16.05	16.49	16.24	16.59					
86161	Complement/function activity	11.97	10.73	16.59	16.57	16.59					
86162	Complement	38.98	34.94	27.87	27.46	28.08					
86171	Complement fixation	12.24	10.97	13.65	13.48	13.85					
86185	Counterimmunoelectrophoresis	17.13	15.36	12.32	12.17	12.37					
86215	Deoxyribonuclease	24.00	21.51	18.28	18.25	18.32					
86225	DNA antibody	17.96	16.10	18.91	18.16	18.99					
86226	DNA antibody	18.49	16.57	16.31	16.30	16.73					
86235	Nuclear antigen antibody	16.39	14.69	24.03	21.78	24.78					
86243	Fc receptor	0.39	0.35	28.36	1.07	28.36					
86255 ^a	Fluorescent antibody	21.72	19.46	16.51	16.51	16.66					
86256	Fluorescent antibody	16.52	14.80	16.48	13.51	16.66					
86277	Growth hormone antibody	20.89	18.72	21.39	19.72	21.75					
86280	Hemagglutination inhibition	14.37	12.88	11.30	9.74	11.31					
86308	Heterophile antibodies	9.17	8.22	7.15	7.14	7.15					
86309	Heterophile antibodies	11.77	10.55	8.93	8.95	8.95					
86310	Heterophile antibodies	5.05	4.52	10.18	10.15	10.19					
86316	Immunoassay	31.11	27.88	28.21	28.08	28.76					
86317	Immunoassay	10.53	9.44	20.65	20.49	20.72					
86318	Immunoassay	13.41	12.02	17.89	17.90	17.89					
86320	Serum immunoelectrophoresis	28.05	25.14	30.70	30.66	30.98					
86325	Other immunoelectrophoresis	48.09	43.10	30.89	30.77	30.90					
86327	Immunoelectrophoresis assay	49.80	44.63	31.35	29.20	31.35					
86329	Immunodiffusion	17.22	15.43	17.20	17.15	19.40					
86331	Immunodiffusion ouchterlony	14.65	13.13	16.31	15.42	16.56					
86332	Immune complex assay	32.67	29.28	33.53	33.06	33.68					
86334	Immunofixation procedure	37.88	33.95	30.86	30.71	30.87					
86337	Insulin antibodies	26.31	23.58	29.05	29.39	29.59					
86340	Intrinsic factor antibody	33.00	29.57	20.68	20.58	20.83					
86341	Islet cell antibody	34.90	31.28	24.37	24.12	27.34					

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price				
		Charge-based Relative Values (P_i^C)		Current NLA-based Fee Schedule (P_i^{NLA})	Average Prices Derived from Actual Current Payments (P_i^a)	NLA Amount
		Universal Numeraire	Class- Based Numeraire			
86343	Leukocyte histamine release	95.72	85.79	17.22	17.22	17.22
86344	Leukocyte phagocytosis	25.89	23.20	11.01	10.99	11.04
86353	Lymphocyte transformation	25.58	22.92	67.75	67.27	67.75
86359	T cells	29.80	26.71	29.92	43.78	52.13
86360	T cell	55.14	49.42	43.66	53.06	64.93
86361	T cell	46.43	41.61	32.27	32.18	37.00
86376	Microsomal antibody	21.35	19.14	20.02	19.62	20.11
86378	Migration inhibitory factor	17.77	15.93	26.67	26.65	27.22
86382	Neutralization test	22.49	20.16	23.08	22.26	23.36
86384	Nitroblue tetrazolium dye	67.14	60.17	15.40	15.39	15.74
86403	Particle agglutination test	9.26	8.30	13.63	13.56	14.08
86406	Particle agglutination test	10.60	9.50	14.47	14.43	14.70
86430 ^a	Rheumatoid factor test	7.03	6.30	7.85	7.85	7.85
86431	Rheumatoid factor	12.02	10.77	7.85	7.84	7.85
86588	Streptococcus	8.15	7.31	12.27	12.41	13.05
86590	Streptokinase	8.96	8.03	14.87	14.67	15.24
86592 ^a	Blood serology	6.67	5.98	5.88	5.88	5.90
86593	Blood serology	5.80	5.20	6.09	6.07	6.09
86602	Antinomyces antibody	12.90	11.56	13.28	13.05	14.06
86603	Adenovirus antibody	27.15	24.33	16.04	15.19	17.79
86606	Aspergillus antibody	17.36	15.56	18.60	18.08	20.80
86609	Bacterium antibody	18.81	16.86	17.18	16.70	17.81
86612	Blastomycetes antibody	21.48	19.25	16.80	16.74	17.83
86615	Bordetella antibody	15.64	14.02	17.73	15.95	18.23
86617	Lyme disease antibody	29.44	26.39	21.25	21.26	21.40
86618	Lyme disease antibody	30.29	27.15	23.18	23.13	23.54
86619	Borrelia antibody	20.33	18.22	18.33	17.12	18.49
86622	Brucella antibody	16.39	14.69	11.94	11.79	12.35
86625	Campylobacter antibody	12.64	11.33	16.67	16.62	18.13
86628	Candida antibody	16.65	14.92	16.39	16.20	16.60
86631	Chlamydia antibody	18.86	16.91	15.43	14.73	16.35
86632	Chlamydia IgM antibody	16.68	14.95	17.32	16.89	17.55

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount	
		Charge-based Relative Values (P _i ^C)						
		Universal Numeraire	Class- Based Numeraire	Current NLA-based Fee Schedule (P _i ^{NLA})				
86635	Coccidioides antibody	17.82	15.97	15.63	15.46	15.85		
86638	Q fever antibody	17.42	15.62	15.21	14.64	16.75		
86641	Cryptococcus antibody	22.03	19.74	17.48	17.49	19.92		
86644 ^a	CMV antibody	23.87	21.39	19.65	19.65	19.89		
86645	CMV antibody	27.44	24.59	21.33	21.16	23.28		
86648	Diphtheria antibody	25.59	22.93	18.20	17.96	21.02		
86651	Encephalitis antibody	10.30	9.23	17.00	12.15	18.23		
86652	Encephalitis antibody	13.45	12.05	15.86	13.93	18.23		
86653	Encephalitis antibody	16.50	14.79	17.59	17.16	18.23		
86654	Encephalitis antibody	18.33	16.43	18.23	17.65	18.23		
86658	Enterovirus antibody	13.99	12.54	16.92	15.78	18.01		
86663	Epstein-barr antibody	19.95	17.88	18.06	18.01	18.13		
86664	Epstein-barr antibody	19.53	17.51	20.77	20.66	21.14		
86665	Epstein-barr antibody	23.39	20.97	23.74	23.50	25.07		
86668	Francisella tularensis	21.16	18.96	14.18	14.16	14.38		
86671	Fungus antibody	15.34	13.75	15.25	15.08	16.95		
86674	Giardia lamblia antibody	19.32	17.32	20.17	19.74	20.34		
86677	Helicobacter pylori	25.01	22.41	18.78	18.72	20.05		
86682	Helminth antibody	34.28	30.72	16.95	16.93	17.97		
86684	Hemophilus influenza	33.99	30.46	20.94	20.93	21.90		
86687	Htlv-i antibody	14.08	12.62	11.60	11.61	11.60		
86688	Htlv-ii antibody	9.63	8.63	19.02	18.97	19.37		
86689	HTLV/HIV confirmatory test	38.65	34.64	26.73	26.48	26.75		
86692	Hepatitis	29.25	26.21	23.21	23.07	23.72		
86694 ^a	Herpes simplex test	22.55	20.21	19.79	19.79	19.89		
86695	Herpes simplex test	20.31	18.20	18.18	18.05	18.23		
86698	Histoplasma	20.91	18.74	16.75	16.60	17.28		
86701	HIV-1	20.91	18.74	12.27	12.26	12.28		
86702	HIV-2	20.08	18.00	17.72	17.74	18.69		
86703	HIV-1/HIV-2	17.38	15.58	18.54	18.49	18.96		
86704 ^a	Hep b core antibody	16.64	14.91	16.55	16.55	16.66		
86705	Hep b core antibody	20.85	18.69	16.26	16.21	16.27		

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price				
		Charge-based Relative Values (P_i^C)		Current NLA-based Fee Schedule (P_i^{NLA})	Average Prices Derived from Actual Current Payments (P_i^a)	NLA Amount
		Universal Numeraire	Class- Based Numeraire			
86706	Hep b surface antibody	18.23	16.34	14.82	14.81	14.84
86707	Hep be antibody	17.99	16.12	15.91	15.90	15.98
86708 ^a	Hep a antibody	18.00	16.14	17.10	17.10	17.12
86709	Hep a antibody	18.98	17.01	15.43	15.22	15.55
86710	Influenza virus antibody	18.55	16.63	18.51	18.39	18.74
86713	Legionella antibody	24.24	21.73	21.02	20.48	21.15
86717	Leishmania antibody	12.08	10.82	13.34	13.21	16.93
86720	Leptospira antibody	24.54	22.00	14.93	14.27	18.23
86723	Listeria monocytogenes ab	45.20	40.51	16.47	16.29	18.23
86727	Lymph choriomeningitis ab	17.28	15.49	15.77	14.56	17.79
86729	Lympho venereum antibody	51.12	45.82	14.75	14.67	16.51
86735	Mumps antibody	19.36	17.35	14.90	14.28	18.03
86738	Mycoplasma antibody	22.81	20.44	18.00	16.44	18.31
86741	Neisseria meningitidis	18.27	16.38	18.23	18.14	18.23
86744	Nocardia antibody	54.39	48.75	18.23	18.20	18.23
86747	Parvovirus antibody	24.92	22.34	20.04	19.88	20.77
86750	Malaria antibody	26.38	23.64	17.27	16.69	18.23
86753	Protozoa antibody nos	24.98	22.39	15.10	14.85	17.12
86756	Respiratory virus antibody	27.93	25.03	16.17	16.15	17.81
86759	Rotavirus antibody	16.48	14.77	17.78	17.19	18.23
86762 ^a	Rubella antibody	14.82	13.29	19.59	19.59	19.89
86765	Rubeola antibody	24.65	22.09	16.25	16.08	17.81
86768	Salmonella antibody	10.73	9.61	15.27	14.70	18.23
86771	Shigella antibody	18.97	17.00	17.43	17.37	18.23
86774	Tetanus antibody	26.96	24.16	19.92	19.51	20.45
86777 ^a	Toxoplasma antibody	23.56	21.11	19.73	19.73	19.89
86778	Toxoplasma antibody	29.50	26.44	19.52	19.43	19.90
86781	Treponema pallidum	18.82	16.86	17.57	17.49	18.30
86784	Trichinella antibody	29.99	26.88	13.98	13.97	17.36
86787	Varicella-zoster antibody	27.53	24.67	16.43	16.35	17.81
86790	Virus antibody nos	24.57	22.02	16.85	16.63	17.81
86793	Yersinia antibody	9.21	8.26	18.05	17.37	18.23

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)		
		Charge-based Relative Values (P _i ^C)				
		Universal Numeraire	Class- Based Numeraire	Current NLA-based Fee Schedule (P _i ^{NLA})	NLA Amount	
86800	Thyroglobulin antibody	20.53	18.40	21.81	21.64	21.98
86803 ^a	Hepatitis C ab test	24.65	22.09	19.63	19.63	19.73
86804	Hep C ab test	62.30	55.84	20.73	20.67	21.40
86805	Lymphocytotoxicity assay	48.09	43.10	52.87	52.57	72.26
86806	Lymphocytotoxicity assay	8.31	7.45	65.65	21.07	65.76
86807	Cytotoxic antibody screening	28.97	25.96	54.68	54.68	54.69
86808	Cytotoxic antibody screening	47.20	42.30	38.63	38.11	41.02
86812	HLA typing	45.34	40.63	35.62	35.47	35.66
86813	HLA typing	92.13	82.57	78.12	77.17	80.13
86816	HLA typing	66.91	59.97	38.33	37.46	38.49
86817	HLA typing	111.07	99.54	85.01	83.08	88.98
86821	Lymphocyte culture	106.07	95.06	71.88	39.71	78.03
86880	Coombs test	9.51	6.85	7.32	7.83	7.42
86885	Coombs test	8.58	6.19	7.55	7.67	7.90
86886	Coombs test	8.29	5.98	7.11	7.57	7.15
86900 ^a	Blood typing	5.99	4.31	4.11	4.11	4.12
86903	Blood typing	11.30	8.14	12.67	13.71	13.05
86904	Blood typing	10.35	7.46	13.06	13.20	13.14
86905	Blood typing	12.99	9.36	4.07	9.19	5.28
86906	Blood typing	10.60	7.64	9.55	9.51	10.71
86940	Hemolysins/agglutinins	9.19	6.62	11.15	11.14	11.33
86941	Hemolysins/agglutinins	14.93	10.76	16.23	15.81	16.73
87001	Small animal inoculation	7.91	7.82	18.27	16.11	18.27
87003	Small animal inoculation	4.38	4.33	23.26	12.00	23.26
87015	Specimen concentration	11.85	11.72	8.90	8.88	9.23
87040	Blood culture for bacteria	18.56	18.36	14.01	13.92	14.27
87045	Stool culture for bacteria	16.58	16.40	12.92	12.87	13.04
87060	Nose/throat culture	12.12	11.99	10.39	10.36	10.68
87070	Culture specimen	13.96	13.81	11.87	11.64	11.90
87072	Culture of specimen by kit	8.62	8.52	10.44	10.41	11.16
87075	Culture specimen	16.64	16.45	12.92	12.90	13.08
87076	Bacteria identification	8.45	8.36	16.87	16.21	17.80

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount	
		Charge-based Relative Values (P _i ^C)						
		Universal Numeraire	Class- Based Numeraire	Current NLA-based Fee Schedule (P _i ^{NLA})				
87081	Bacteria culture screen	9.83	9.72	8.93	8.10	9.16		
87082	Culture of specimen by kit	6.62	6.55	9.34	9.33	10.13		
87083	Culture of specimen by kit	6.41	6.34	10.41	10.38	11.61		
87084	Culture of specimen by kit	7.48	7.39	11.57	11.56	11.90		
87085	Culture of specimen by kit	6.98	6.91	11.89	11.87	11.90		
87086	Urine culture/colony count	12.55	12.41	11.09	11.07	11.16		
87087	Urine bacteria culture	13.43	13.28	8.65	8.64	8.94		
87088	Urine bacteria culture	8.00	7.91	10.80	10.74	11.18		
87101	Skin fungus culture	9.15	9.05	10.50	10.37	10.66		
87102	Fungus isolation culture	14.19	14.03	11.48	11.29	11.61		
87103	Blood fungus culture	15.90	15.73	12.34	12.33	12.46		
87106	Fungus identification	11.42	11.29	14.24	14.07	14.27		
87109	Mycoplasma culture	22.86	22.61	20.82	20.68	21.26		
87110	Culture	19.11	18.90	24.30	23.32	27.08		
87116	Mycobacteria culture	18.91	18.70	14.65	14.56	14.93		
87117	Mycobacteria culture	17.62	17.43	15.41	15.31	15.99		
87118	Mycobacteria identification	17.16	16.96	15.10	15.06	15.13		
87140	Culture typing	9.79	9.68	7.69	7.69	7.71		
87143	Culture typing	9.95	9.84	17.32	17.06	17.32		
87145	Culture typing	4.48	4.43	11.28	11.04	13.70		
87147	Culture typing	7.07	6.99	6.97	6.85	7.15		
87151	Culture typing	5.01	4.95	6.91	6.89	7.76		
87155	Culture typing	3.34	3.30	6.71	6.71	6.71		
87158	Culture typing	3.34	3.31	7.23	7.22	7.23		
87163	Special microbiology culture	9.58	9.47	14.96	14.73	15.30		
87164	Dark field examination	10.90	10.77	14.26	14.21	14.84		
87166	Dark field examination	11.88	11.74	15.55	14.26	15.61		
87174	Endotoxin	12.80	12.66	11.73	11.76	11.90		
87175	Assay	15.86	15.68	10.89	10.92	14.86		
87176	Endotoxin	10.16	10.05	8.10	8.10	8.13		
87177	Ova and parasites smears	10.22	10.10	11.67	11.52	12.30		
87181	Antibiotic sensitivity	3.36	3.33	5.57	4.96	6.56		

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price				
		Charge-based Relative Values (P_i^C)		Current NLA-based Fee Schedule (P_i^{NLA})	Average Prices Derived from Actual Current Payments (P_i^a)	NLA Amount
		Universal Numeraire	Class- Based Numeraire			
87184	Antibiotic sensitivity	8.62	8.52	9.39	9.36	9.53
87186	Antibiotic sensitivity	9.43	9.33	11.73	11.68	11.94
87187	Antibiotic sensitivity	5.73	5.67	14.32	14.05	14.33
87188	Antibiotic sensitivity	5.27	5.21	9.14	9.13	9.17
87190	TB antibiotic sensitivity	9.67	9.56	7.59	6.63	7.81
87192	Antibiotic sensitivity	14.82	14.66	12.34	12.33	12.54
87197	Bactericidal level	20.63	20.40	19.85	20.00	20.76
87205	Smear	6.46	6.39	5.83	5.82	5.90
87206	Smear	9.28	9.18	7.19	7.15	7.42
87207	Smear	11.37	11.24	8.01	7.98	8.28
87208	Smear	8.61	8.51	7.37	7.32	7.47
87210	Smear	5.69	5.63	5.82	5.76	5.90
87211	Smear	10.08	9.97	7.05	7.03	7.15
87220	Tissue exam for fungi	6.32	6.25	5.75	5.74	5.90
87230	Assay	28.93	28.61	25.45	25.38	27.28
87250	Virus inoculation for test	23.63	23.36	26.81	26.24	27.02
87252	Virus inoculation for test	20.42	20.19	32.29	26.69	36.02
87253	Virus inoculation for test	9.55	9.45	22.63	15.88	27.91
87260	Adenovirus ag	6.09	6.02	15.77	10.50	16.58
87265	Pertussis ag	28.76	28.44	15.39	15.36	16.58
87270	Chylmd trach ag	17.81	17.62	15.87	15.84	16.58
87272	Cryptosporidium ag	14.58	14.42	15.24	15.24	16.58
87274	Herpes simplex ag	13.88	13.72	15.91	15.52	16.58
87276	Influenza ag	15.10	14.93	15.97	15.72	16.58
87278	Legion pneumo ag	34.70	34.31	15.27	14.73	16.58
87280	Resp syncytial ag	19.55	19.33	16.38	14.47	16.58
87285	Trepon pallidum ag	8.51	8.41	15.20	15.25	16.58
87290	Varicella ag	17.38	17.18	15.86	15.60	16.58
87299	Ag detection nos	20.21	19.98	15.62	14.38	16.58
87301	Adenovirus ag	10.33	10.22	14.02	13.90	16.58
87320	Chylmd trach ag	15.36	15.19	15.90	15.82	16.58
87324	Clostridium ag	26.79	26.49	15.93	15.90	16.58

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount				
		Charge-based Relative Values (P _i ^C)									
		Universal Numeraire	Class- Based Numeraire								
87328	Cryptospor ag	15.69	15.51	15.79	15.78	16.58					
87332	Cytomegalovirus ag	38.90	38.46	16.12	16.13	16.58					
87335	E coli 0157 ag	14.66	14.49	15.96	15.95	16.58					
87340 ^a	Hepatitis B surface ag	17.49	17.30	14.11	14.11	14.27					
87350	Hepatitis be ag	19.28	19.07	15.82	15.81	15.92					
87380	Hepatitis delta ag	26.65	26.35	22.06	21.87	22.69					
87385	Histoplasma capsul ag	39.52	39.08	15.58	15.50	16.58					
87390	Hiv-1 ag	22.28	22.03	21.02	20.95	24.38					
87391	Hiv-2 ag	30.53	30.19	19.04	18.60	24.38					
87420	Resp syncytial ag	9.57	9.46	13.50	13.52	16.58					
87425	Rotavirus ag	30.92	30.57	16.30	16.29	16.58					
87430	Strep a ag	9.19	9.09	15.99	15.75	16.58					
87449	Ag detect nos	18.05	17.85	15.48	15.46	16.58					
87450	Ag detect nos	21.08	20.84	11.05	10.98	13.25					
87470	Bartonella	12.93	12.79	27.31	27.30	27.71					
87471	Bartonella	66.29	65.54	48.50	49.00	48.50					
87476	Lyme disease	48.35	47.81	48.36	48.59	48.50					
87477	Lyme disease	62.58	61.88	59.20	41.60	59.20					
87480	Candida	19.16	18.94	27.42	27.13	27.71					
87481	Candida	6.65	6.57	48.50	18.00	48.50					
87482	Candida	20.07	19.84	57.69	55.00	57.69					
87485	Chylmd pneum	18.43	18.23	27.47	27.07	27.71					
87486	Chylmd pneum	19.56	19.34	48.34	47.14	48.50					
87490	Chylmd trach	17.98	17.78	26.31	26.01	27.71					
87491	Chylmd trach	24.14	23.87	47.65	46.68	48.50					
87492	Chylmd trach	44.88	44.38	48.31	48.50	48.31					
87495	Cytomeg	47.53	47.00	27.60	27.23	27.71					
87496	Cytomeg	61.12	60.44	44.76	44.78	48.50					
87497	Cytomeg	122.41	121.04	59.20	59.15	59.20					
87510	Gardner vag	19.21	19.00	27.42	27.10	27.71					
87511	Gardner vag	10.22	10.10	27.11	27.00	48.50					
87515	Hepatitis B	48.76	48.22	27.69	27.69	27.71					

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount				
		Charge-based Relative Values (P _i ^c)									
		Universal Numeraire	Class- Based Numeraire								
87516	Hepatitis B	71.41	70.61	45.53	45.40	48.50					
87517	Hepatitis B	100.36	99.23	59.04	58.80	59.20					
87520	Hepatitis C	24.83	24.55	27.70	25.13	27.71					
87521	Hepatitis C	81.84	80.93	45.25	45.09	48.50					
87522	Hepatitis C	114.79	113.50	56.72	56.29	59.20					
87525	Hepatitis G	12.95	12.81	27.71	28.00	27.71					
87526	Hepatitis G	95.96	94.89	48.50	48.64	48.50					
87527	Hepatitis G	84.65	83.70	57.69	58.00	57.69					
87528	Hsv	25.93	25.64	24.99	25.25	27.71					
87529	Hsv	37.28	36.86	48.08	47.00	48.50					
87530	Hsv	97.71	96.61	58.53	46.62	59.20					
87532	Hhv-6	69.94	69.16	48.35	48.30	48.50					
87534	Hiv-1	24.20	23.93	27.70	27.71	27.71					
87535	Hiv-1	50.74	50.18	45.65	45.45	48.50					
87536	Hiv-1	104.00	102.84	109.47	109.00	117.59					
87538	Hiv-2	85.20	84.24	48.50	49.00	48.50					
87539	Hiv-2	97.60	96.51	59.20	59.00	59.20					
87540	Legion pneumo	5.11	5.05	27.71	14.00	27.71					
87541	Legion pneumo	87.57	86.59	48.50	48.60	48.50					
87550	Mycobacteria	17.63	17.43	24.86	24.47	27.71					
87551	Mycobacteria	68.81	68.04	43.34	43.50	48.50					
87552	Mycobacteria	145.95	144.31	48.50	49.00	59.20					
87555	M.tuberculo	25.89	25.60	25.36	23.14	27.71					
87556	M.tuberculo	63.86	63.15	45.73	45.75	48.50					
87560	M.avium-intra	23.23	22.97	27.00	26.39	27.71					
87561	M.avium-intra	6.20	6.13	41.20	17.00	48.50					
87580	M.pneumon	18.23	18.02	27.65	26.25	27.71					
87581	M.pneumon	19.60	19.38	48.50	48.51	48.50					
87582	M.pneumon	21.16	20.93	57.69	58.00	57.69					
87590	N.gonorrhoeae	16.96	16.77	26.32	25.99	27.71					
87591	N.gonorrhoeae	23.27	23.01	47.74	46.66	48.50					
87620	Hpv	26.40	26.11	27.34	27.33	27.71					

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price		Average Prices Derived from Actual Current Payments (P _i ^a)			NLA Amount				
		Charge-based Relative Values (P _i ^C)									
		Universal Numeraire	Class- Based Numeraire								
87621	Hpv	30.77	30.42	44.60	43.51	48.50					
87622	Hpv	73.24	72.42	57.69	57.80	57.69					
87650	Strep a	14.22	14.06	27.42	25.31	27.71					
87651	Strep a	51.50	50.92	45.20	27.00	48.50					
87652	Strep a	5.53	5.46	47.00	11.75	57.69					
87797	Detect agent nos	18.91	18.69	27.46	27.00	27.71					
87798	Detect agent nos	29.79	29.46	48.22	47.48	48.50					
87799	Detect agent nos	134.46	132.95	58.53	57.52	59.20					
87810	Chylmd trach assay w/optic	14.97	14.80	16.19	14.83	16.58					
87850	N. gonorrhoeae assay w/optic	12.89	12.74	15.86	15.92	16.58					
87880	Strep a assay w/optic	9.03	8.93	15.97	15.71	16.58					
87899	Agent nos assay w/optic	20.58	20.35	15.87	15.86	16.58					
88130	Sex chromatin identification	15.67	19.71	20.77	20.60	20.79					
88140	Sex chromatin identification	20.04	25.20	10.82	10.65	11.05					
88150	Cytopath	10.91	13.72	14.60	14.24	14.30					
88152	Cytopath	6.48	8.15	14.60	10.99	14.30					
88153	Cytopath	9.01	11.33	14.60	14.20	14.30					
88154	Cytopath	10.80	13.58	14.60	14.45	14.30					
88155	Cytopath	5.88	7.39	8.25	8.05	8.28					
88164	Cytopath tbs	12.68	15.95	14.60	14.51	14.30					
88165	Cytopath tbs	9.38	11.80	14.60	13.71	14.30					
88166	Cytopath tbs	6.97	8.77	14.60	14.60	14.30					
88167	Cytopath tbs	12.98	16.33	14.60	14.60	14.30					
88230	Tissue culture	87.59	145.03	152.17	146.62	161.00					
88233	Tissue culture	82.13	136.00	162.01	156.00	194.49					
88235	Tissue culture	116.26	192.51	198.89	197.06	203.50					
88237	Tissue culture	100.39	166.23	166.69	158.98	174.55					
88239	Tissue culture	97.62	161.65	163.70	162.34	203.88					
88240	Cell cryopreserve/storage	81.07	134.24	13.72	13.43	13.96					
88241	Frozen cell preparation	20.05	33.20	12.54	12.60	13.96					
88245	Chromosome analysis 20-25	91.22	151.05	205.72	206.00	205.72					
88248	Chromosome analysis 50-100	175.84	291.16	239.32	104.40	239.32					

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description	Basis for Expenditure-Neutral Price				
		Charge-based Relative Values (P_i^C)		Current NLA-based Fee Schedule (P_i^{NLA})	Average Prices Derived from Actual Current Payments (P_i^a)	NLA Amount
		Universal Numeraire	Class- Based Numeraire			
88261	Chromosome analysis 5	120.90	200.19	244.20	242.11	244.24
88262	Chromosome analysis 15-20	98.34	162.84	172.25	171.54	172.25
88263	Chromosome analysis 45	146.50	242.59	207.57	200.50	207.67
88264	Chromosome analysis 20-25	109.87	181.93	172.25	170.30	172.25
88267	Chromosome analysis	143.31	237.30	248.44	244.55	248.44
88269	Chromosome analysis	138.29	228.99	228.29	228.35	229.85
88271	Cytogenetics	30.36	50.27	27.24	28.51	29.60
88272	Cytogenetics	33.57	55.59	37.00	37.00	37.00
88273	Cytogenetics	46.06	76.28	40.93	35.85	44.40
88274	Cytogenetics	41.97	69.50	47.56	48.30	48.10
88275	Cytogenetics	59.70	98.85	51.59	51.33	55.50
88280	Chromosome karyotype study	25.88	42.86	34.68	34.40	34.68
88283	Chromosome banding study	54.12	89.61	66.12	66.21	94.79
88285	Chromosome count	14.05	23.27	26.25	24.92	26.26
88289	Chromosome study	23.52	38.95	44.79	35.28	47.58
88371	Protein western blot tissue	27.07	22.13	30.71	27.38	30.71
88372	Protein analysis w/probe	43.62	35.66	27.99	27.42	31.44
89050	Body fluid cell count	10.53	8.61	6.38	6.35	6.53
89051	Body fluid cell count	9.87	8.07	7.46	7.44	7.61
89060	Exam synovial fluid crystals	11.90	9.73	9.55	9.53	9.88
89125	Specimen fat stain	9.79	8.01	5.74	5.75	5.96
89160	Exam feces for meat fibers	4.88	3.99	5.07	5.07	5.09
89190	Nasal smear for eosinophils	6.34	5.18	6.43	6.42	6.56
89300	Semen analysis	13.74	11.23	10.74	10.58	12.32
89310	Semen analysis	16.16	13.21	11.09	11.16	11.89
89320	Semen analysis	20.57	16.82	16.35	16.39	16.66
89325	Sperm antibody test	23.87	19.52	14.75	14.80	14.75
89329	Sperm evaluation test	38.68	31.62	28.98	29.00	28.98
89330	Evaluation cervical mucus	10.61	8.67	12.14	12.25	13.68
89355	Exam feces for starch	8.30	6.79	4.29	4.30	4.62
89365	Water load test	13.19	10.78	7.55	7.55	7.61
G0026	Fecal leukocyte examination	12.63	10.32	5.53	5.48	5.90

^aPanel, or component of a panel.

(continued)

Table B-5. Expenditure Neutral Prices (continued)

HCPCS Code	Description			Basis for Expenditure-Neutral Price		NLA Amount	
		Charge-based Relative Values (P_i^C)		Current NLA-based Fee Schedule (P_i^{NLA})	Average Prices Derived from Actual Current Payments (P_i^a)		
		Universal Numeraire	Class- Based Numeraire				
G0027	Semen analysis	2.75	2.25	8.98	6.17	8.99	
G0103	PSA total screening	24.08	24.52	25.34	25.30	25.42	
G0107	CA screen; fecal blood test	4.51	4.59	3.49	3.48	3.50	
P3000	Screen pap by tech w md supv	11.03	13.87	14.60	14.46	14.30	
Q0111	Wet mounts/ w preparations	5.65	5.59	5.84	5.82	5.90	
Q0112	Potassium hydroxide preps	5.57	4.55	5.75	5.73	5.90	
Q0113	Pinworm examinations	7.06	5.77	7.47	7.43	7.47	
Q0114	Fern test	6.02	5.96	9.86	9.85	9.88	
Q0115	Post-coital mucous exam	9.06	7.41	13.68	11.32	13.68	

^aPanel, or component of a panel.

Table B-6. Difference in Expenditures by Procedure (\$1,000s)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
78267	Breath test attain/anal c-14	50.08	25.30	75.38
78268	Breath test analysis c-14	-74.88	218.14	143.25
80048 ^a	Basic metabolic panel	401.71	56,217.47	56,619.18
80049 ^a	Metabolic panel	505.98	15,755.79	16,261.76
80051 ^a	Electrolyte panel	-751.39	12,181.72	11,430.33
80053 ^a	Comprehen metabolic panel	-1,096.46	103,585.60	102,489.20
80054 ^a	Comprehen metabolic panel	-1,749.38	25,269.19	23,519.81
80069 ^a	Renal function panel	227.54	1,996.41	2,223.95
80076 ^a	Hepatic function panel	2,462.03	21,092.55	23,554.58
80100	Drug screen	471.30	1,505.92	1,977.22
80101	Drug screen	-534.67	1,903.77	1,369.10
80102	Drug confirmation	63.37	103.93	167.30
80150	Assay of amikacin	3.82	31.84	35.67
80152	Assay of amitriptyline	5.96	89.85	95.80
80154	Assay of benzodiazepines	39.85	270.25	310.09
80156	Assay of carbamazepine	-213.70	4,332.61	4,118.91
80158	Assay of cyclosporine	1,038.02	2,245.99	3,284.01
80160	Assay of desipramine	6.33	41.74	48.07
80162	Assay of digoxin	-2,629.29	24,228.84	21,599.55
80164	Assay	94.94	6,769.12	6,864.06
80166	Assay of doxepin	8.08	20.78	28.86
80168	Assay of ethosuximide	1.52	14.33	15.85
80170	Assay of gentamicin	-17.55	193.98	176.43
80172	Assay of gold	-11.70	17.57	5.86
80174	Assay of imipramine	5.49	38.79	44.27
80176	Assay of lidocaine	-1.57	5.65	4.07
80178	Assay of lithium	236.62	1,512.67	1,749.29
80182	Assay of nortriptyline	91.27	190.02	281.28
80184	Assay of phenobarbital	178.79	1,830.56	2,009.35
80185	Assay of phenytoin	-850.84	11,946.76	11,095.92
80186	Assay of phenytoin	107.34	488.50	595.84
80188	Assay of primidone	-83.59	319.78	236.18
80190	Assay of procainamide	-7.16	26.88	19.72
80192	Assay of procainamide	27.36	225.19	252.55
80194	Assay of quinidine	27.16	352.63	379.79
80196	Assay of salicylate	22.24	36.79	59.04

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
80197	Assay of tacrolimus	1,075.18	1,131.85	2,207.04
80198	Assay of theophylline	-241.60	3,469.62	3,228.02
80200	Assay of tobramycin	4.96	87.49	92.45
80201	Assay of topiramate	28.03	34.94	62.97
80202	Assay of vancomycin	287.51	1,209.27	1,496.77
80299	Quantitative assay	766.54	942.78	1,709.32
81000	Urinalysis nonauto w/scope	-3,642.27	33,396.94	29,754.67
81001	Urinalysis auto w/scope	2,711.55	13,474.33	16,185.88
81002	Urinalysis nonauto w/o scope	-874.32	11,813.91	10,939.59
81003	Urinalysis auto	2,114.03	4,510.00	6,624.03
81005	Urinalysis	2.72	121.80	124.52
81007	Urine screen for bacteria	-12.58	37.26	24.67
81015	Microscopic exam of urine	-156.32	763.30	606.98
81020	Urinalysis glass test	-26.50	81.61	55.11
81025	Urine pregnancy test	-25.81	115.48	89.67
81050	Urinalysis volume measure	-90.50	316.88	226.37
82000	Assay of blood acetaldehyde	1.38	0.62	2.00
82003	Assay of acetaminophen	3.21	29.10	32.31
82009	Test for acetone/ketones	-1.88	19.25	17.37
82010	Acetone assay	2.91	15.49	18.39
82013	Acetylcholinesterase assay	0.52	0.92	1.44
82016	Acylcarnitines qual	0.01	0.02	0.03
82017	Acylcarnitines quant	0.79	2.07	2.85
82024	Assay of acth	62.76	418.11	480.87
82030	Assay of adp & amp	1.31	5.14	6.44
82040 ^a	Assay of serum albumin	-2,366.96	4,011.52	1,644.56
82042	Assay of urine albumin	-33.69	196.29	162.59
82043	Microalbumin quantitative	2,906.32	2,779.42	5,685.74
82044	Microalbumin semiquant	96.37	819.93	916.30
82055	Assay of ethanol	-40.44	244.84	204.40
82075	Assay of breath ethanol	-10.64	26.63	15.99
82085	Assay of aldolase	170.07	389.43	559.50
82088	Assay of aldosterone	10.43	658.72	669.16
82101	Assay of urine alkaloids	-0.11	0.40	0.28
82103	Alpha-1-antitrypsin total	28.94	146.25	175.19
82104	Alpha-1-antitrypsin pheno	23.18	31.85	55.03

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
82105	Alpha-fetoPROTEIN serum	133.67	607.97	741.64
82106	Alpha-fetoPROTEIN amniotic	-0.04	4.63	4.59
82108	Assay of aluminum	3,284.43	11,906.46	15,190.89
82120	Amines	0.80	5.42	6.22
82127	Amino acid	-15.03	73.61	58.58
82128	Amino acids	-2.64	16.09	13.46
82131	Amino acids	3,351.77	3,922.56	7,274.33
82135	Assay	1.74	3.68	5.43
82136	Amino acids	33.83	43.30	77.13
82139	Amino acids	62.41	17.83	80.24
82140	Assay of ammonia	176.57	793.03	969.60
82143	Amniotic fluid scan	0.07	0.13	0.19
82145	Assay of amphetamines	-4.41	15.20	10.80
82150	Assay of amylase	156.29	3,832.99	3,989.28
82154	Androstanediol glucuronide	1.72	3.87	5.58
82157	Assay of androstenedione	10.50	73.59	84.09
82160	Assay of androsterone	-1.44	1.94	0.49
82163	Assay of angiotensin II	0.18	2.82	3.00
82164	Angiotensin I enzyme test	152.23	280.28	432.51
82172	Assay of apolipoprotein	-265.65	1,463.49	1,197.84
82175	Assay of arsenic	35.52	171.92	207.44
82180	Assay of ascorbic acid	13.99	24.22	38.21
82190	Atomic absorption	-34.94	98.75	63.80
82205	Assay of barbiturates	10.21	60.67	70.87
82232	Assay of beta-2 protein	374.87	1,761.88	2,136.76
82239	Bile acids	0.91	2.58	3.49
82240	Bile acids	-45.44	93.00	47.55
82247 ^a	Bilirubin	-2,012.63	3,138.64	1,126.01
82248 ^a	Bilirubin	-1,434.94	2,777.44	1,342.50
82252	Fecal bilirubin test	-0.25	1.12	0.87
82261	Assay of biotinidase	0.08	0.32	0.40
82270	Test for blood	2,296.31	6,850.69	9,146.99
82273	Test for blood	5.31	45.45	50.76
82286	Assay of bradykinin	-0.01	0.02	0.01
82300	Assay of cadmium	-38.54	94.16	55.62
82306	Assay of vitamin D	568.37	1,233.58	1,801.96

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
82307	Assay of vitamin D	-398.00	701.82	303.82
82308	Assay of calcitonin	13.42	130.90	144.31
82310 ^a	Assay of calcium	-1,442.35	5,462.41	4,020.05
82330	Assay of calcium	624.61	2,940.61	3,565.22
82331	Calcium infusion test	1.91	7.59	9.50
82340	Assay of calcium in urine	68.85	299.10	367.95
82355	Calculus (stone) analysis	38.92	107.17	146.08
82360	Calculus (stone) assay	4.67	92.62	97.29
82365	Calculus (stone) assay	52.47	126.47	178.94
82370	X-ray assay	-0.62	23.76	23.13
82374 ^a	Assay	-264.01	546.07	282.06
82375	Assay	-32.89	208.16	175.27
82376	Test for carbon monoxide	1.23	7.79	9.02
82378	Carcinoembryonic antigen	624.24	14,115.56	14,739.80
82379	Assay of carnitine	34.75	31.39	66.14
82380	Assay of carotene	35.62	60.39	96.01
82382	Assay	0.96	14.05	15.01
82383	Assay	-1.56	7.73	6.16
82384	Assay	188.86	366.23	555.10
82387	Assay of cathepsin-d	-0.01	0.06	0.05
82390	Assay of ceruloplasmin	41.52	110.36	151.88
82397	Chemiluminescent assay	-40.96	162.52	121.56
82415	Assay of chloramphenicol	-0.19	0.65	0.46
82435 ^a	Assay of blood chloride	-896.12	1,445.88	549.75
82436	Assay of urine chloride	4.62	50.89	55.51
82438	Assay	3.20	2.08	5.28
82441	Test for chlorohydrocarbons	-7.60	13.98	6.38
82465 ^a	Assay of serum cholesterol	-908.40	5,087.94	4,179.54
82480	Assay	2.20	5.00	7.19
82482	Assay	2.28	1.96	4.23
82485	Assay	-0.69	2.58	1.89
82486	Gas/liquid chromatography	-11.18	49.68	38.50
82487	Paper chromatography	-0.05	0.11	0.06
82488	Paper chromatography	-0.15	0.26	0.11
82489	Thin layer chromatography	19.01	16.59	35.60
82491	Chromotography	-3.94	936.22	932.28

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
82492	Chromotography	-40.63	179.43	138.80
82495	Assay of chromium	-0.40	14.77	14.37
82507	Assay of citrate	-15.51	368.86	353.35
82520	Assay of cocaine	-8.29	34.35	26.05
82523	Collagen crosslinks	69.49	224.69	294.18
82525	Assay of copper	24.82	88.28	113.10
82528	Assay of corticosterone	1.88	1.78	3.66
82530	Cortisol	48.03	204.55	252.58
82533	Total cortisol	186.13	1,418.20	1,604.32
82540	Assay of creatine	-17.99	235.28	217.29
82541	Column chromatography	19.63	18.21	37.84
82542	Column chromatography	74.94	69.68	144.62
82543	Column chromatograph/isotope	39.79	35.07	74.86
82544	Column chromatograph/isotope	-0.05	0.35	0.30
82550 ^a	Assay of ck (cpk)	-297.10	4,344.75	4,047.65
82552	Assay of cpk in blood	57.26	425.82	483.08
82553	Creatine	75.05	296.76	371.81
82554	Creatine	-0.58	1.76	1.18
82565 ^a	Assay of creatinine	-3,805.26	11,830.57	8,025.30
82570	Assay of urine creatinine	840.60	2,195.44	3,036.04
82575	Creatinine clearance test	325.11	2,168.27	2,493.38
82585	Assay of cryofibrinogen	1.04	14.15	15.20
82595	Assay of cryoglobulin	60.04	72.17	132.21
82600	Assay of cyanide	0.08	0.59	0.67
82607	Vitamin B-12	942.42	24,295.36	25,237.78
82608	B-12 binding capacity	-30.04	133.22	103.18
82615	Test for urine cystines	28.85	39.74	68.58
82626	Dehydroepiandrosterone	130.39	417.78	548.18
82627	Dehydroepiandrosterone	128.24	699.91	828.15
82633	Desoxycorticosterone	0.30	0.65	0.95
82634	Deoxycortisol	0.18	8.64	8.82
82638	Assay of dibucaine number	0.06	0.55	0.61
82646	Assay of dihydrocodeinone	-1.44	4.98	3.54
82649	Assay of dihydromorphinone	-1.74	5.29	3.55
82651	Assay of dihydrotestosterone	-1.32	39.92	38.60
82652	Assay of dihydroxyvitamin d	157.88	503.72	661.60

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
82654	Assay of dimethadione	0.04	0.22	0.26
82657	Enzyme cell activity	-4.56	37.11	32.55
82658	Enzyme cell activity	4.32	5.68	10.00
82664	Electrophoretic test	10.74	457.54	468.28
82666	Assay of epiandrosterone	-0.34	0.45	0.11
82668	Assay of erythropoietin	645.45	981.54	1,626.99
82670	Assay of estradiol	-98.91	2,097.18	1,998.27
82671	Assay of estrogens	0.47	44.34	44.80
82672	Assay of estrogen	116.64	205.89	322.53
82677	Assay of estriol	-27.79	95.62	67.83
82679	Assay of estrone	2.79	89.44	92.23
82690	Assay of ethchlorvynol	-0.21	0.52	0.31
82693	Assay of ethylene glycol	0.01	0.38	0.39
82696	Assay of etiocholanolone	-1.17	1.54	0.37
82705	Fats/lipids	69.20	43.48	112.67
82710	Fats/lipids	-12.90	118.68	105.78
82715	Assay of fecal fat	-46.12	81.30	35.18
82725	Assay of blood fatty acids	-57.53	112.67	55.14
82726	Long chain fatty acids	1.56	3.16	4.72
82728	Assay of ferritin	2,533.15	23,858.97	26,392.12
82731	Assay of fetal fibronectin	2.19	0.69	2.88
82735	Assay of fluoride	-0.56	1.83	1.27
82742	Assay of flurazepam	-3.00	7.07	4.07
82746	Blood folic acid serum	-206.24	16,213.29	16,007.05
82747	Assay of folic acid	352.91	824.41	1,177.32
82757	Assay of semen fructose	-0.25	1.53	1.28
82760	Assay of galactose	-1.88	3.09	1.20
82775	Assay galactose transferase	0.14	0.23	0.37
82776	Galactose transferase test	0.06	0.06	0.11
82784	Assay of gammaglobulin igm	1,001.61	5,431.49	6,433.10
82785	Assay of gammaglobulin ige	-13.71	763.03	749.32
82787	Igg 1	74.52	165.79	240.32
82800	Blood pH	2.78	12.77	15.55
82803	Blood gases: pH	-423.19	1,740.52	1,317.33
82805	Blood gases W/O2 saturation	-328.03	934.66	606.63
82810	Blood gases	-3.31	17.55	14.24

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
82820	Hemoglobin-oxygen affinity	-37.96	71.06	33.11
82926	Assay of gastric acid	0.17	0.25	0.42
82928	Assay of gastric acid	0.05	0.14	0.19
82938	Gastrin test	-0.09	0.18	0.09
82941	Assay of gastrin	29.69	177.01	206.71
82943	Assay of glucagon	11.71	10.14	21.85
82946	Glucagon tolerance test	-2.68	4.85	2.17
82947 ^a	Assay of glucose	-2,454.49	18,284.93	15,830.44
82948	Reagent strip/blood glucose	-15.59	2,065.06	2,049.46
82950	Glucose test	-85.32	390.68	305.35
82951	Glucose tolerance test (GTT)	-119.88	502.69	382.82
82952	GTT-added samples	-18.25	187.88	169.64
82953	Glucose-tolbutamide test	-0.66	1.28	0.62
82955	Assay of g6pd enzyme	17.03	75.11	92.14
82960	Test for G6PD enzyme	1.60	11.84	13.44
82962	Glucose blood test	-40.53	7,072.77	7,032.24
82963	Assay of glucosidase	0.17	0.92	1.09
82965	Assay of gdh enzyme	-4.03	8.81	4.78
82975	Assay of glutamine	-1.15	2.03	0.88
82977 ^a	Assay of GGT	-1,708.21	3,786.68	2,078.46
82978	Assay of glutathione	-13.41	25.38	11.97
82979	Assay	1.10	2.54	3.64
82980	Assay of glutethimide	-51.49	72.97	21.47
82985	Glycated protein	-2,056.54	5,807.38	3,750.84
83001	Gonadotropin (FSH)	-29.88	2,061.21	2,031.33
83002	Gonadotropin (LH)	-48.89	1,402.62	1,353.73
83003	Assay	18.01	102.22	120.23
83008	Assay of guanosine	-0.04	0.07	0.02
83010	Assay of haptoglobin	182.12	528.72	710.84
83012	Assay of haptoglobins	-0.07	0.43	0.36
83013	H pylori breath test analysis	-142.98	552.96	409.98
83014	H pylori drug admin/collect	20.23	46.97	67.19
83015	Heavy metal screen	-12.02	27.30	15.27
83018	Quantitative screen	-43.83	100.79	56.96
83020	Hemoglobin electrophoresis	17.48	258.78	276.26
83021	Hemoglobin chromatography	34.64	90.06	124.69

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
83026	Hemoglobin	-0.11	47.67	47.56
83030	Fetal hemoglobin assay	2.07	5.86	7.93
83033	Fetal fecal hemoglobin assay	-0.01	0.82	0.81
83036	Glycated hemoglobin test	11,821.70	72,049.10	83,870.80
83045	Blood methemoglobin test	-0.54	1.13	0.59
83050	Blood methemoglobin assay	-10.20	71.47	61.27
83051	Assay of plasma hemoglobin	3.15	21.63	24.78
83055	Blood sulfhemoglobin test	1.24	0.48	1.72
83060	Blood sulfhemoglobin assay	-5.69	11.66	5.97
83065	Assay of hemoglobin heat	0.01	0.78	0.79
83068	Hemoglobin stability screen	0.40	0.84	1.23
83069	Assay of urine hemoglobin	2.13	1.61	3.74
83070	Assay of hemosiderin	5.70	3.88	9.58
83071	Assay of hemosiderin	0.01	0.08	0.09
83080	Assay of b hexosaminidase	1.37	3.13	4.49
83088	Assay of histamine	2.56	9.20	11.76
83150	Assay of for hva	-3.54	11.74	8.20
83491	Assay of corticosteroids	5.54	14.90	20.44
83497	Assay of 5-hiaa	86.43	130.42	216.85
83498	Assay of progesterone	2.27	37.50	39.78
83499	Assay of progesterone	-0.08	0.10	0.03
83500	Assay	2.76	12.88	15.64
83505	Assay	21.43	31.30	52.73
83516	Immunoassay	-50.59	283.56	232.97
83518	Immunoassay	-21.27	102.89	81.61
83519	Immunoassay	162.42	143.38	305.80
83520	Immunoassay	588.56	1,372.89	1,961.45
83525	Assay of insulin	83.62	450.11	533.72
83527	Assay of insulin	3.60	10.21	13.80
83528	Assay of intrinsic factor	-0.06	0.18	0.12
83540	Assay of iron	-999.83	18,107.99	17,108.16
83550	Iron binding test	845.39	19,510.37	20,355.77
83570	Assay of idh enzyme	-0.54	1.45	0.92
83582	Assay of ketogenic steroids	0.85	1.79	2.64
83586	Assay 17-ketosteroids	2.98	9.74	12.72
83593	Fractionation	-3.81	8.94	5.13

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
83605	Assay of lactic acid	92.51	95.42	187.93
83615 ^a	Lactate (LD) (LDH) enzyme	-1,999.97	5,330.75	3,330.79
83625	Assay of ldh enzymes	-7.38	183.83	176.45
83632	Placental lactogen	-0.19	0.43	0.24
83633	Test urine for lactose	0.00	0.02	0.02
83634	Assay of urine for lactose	-0.01	0.03	0.02
83655	Assay of lead	15.47	186.47	201.94
83661	Assay of l/s ratio	0.65	1.25	1.91
83670	Assay of lap enzyme	0.95	1.30	2.25
83690	Assay of lipase	524.82	1,689.31	2,214.14
83715	Assay of blood lipoproteins	-116.97	493.45	376.48
83716	Assay of blood lipoproteins	151.01	1,181.45	1,332.46
83718 ^a	Assay of lipoprotein	-1,336.32	6,215.66	4,879.34
83719	Assay of blood lipoprotein	-599.88	1,359.43	759.55
83721	Assay of blood lipoprotein	-4,964.27	15,910.19	10,945.92
83727	Assay of lrh hormone	0.51	1.32	1.83
83735	Assay of magnesium	-40.55	8,593.86	8,553.31
83775	Assay of md enzyme	0.03	0.21	0.24
83785	Assay of manganese	-17.77	39.14	21.36
83788	Mass spectrometry qual	-0.04	0.08	0.04
83789	Mass spectrometry quant	6.20	14.31	20.52
83805	Assay of meprobamate	1.32	2.31	3.63
83825	Assay of mercury	41.52	171.06	212.58
83835	Assay of metanephrides	321.12	274.97	596.10
83840	Assay of methadone	-3.64	23.25	19.61
83857	Assay of methemalbumin	0.01	0.03	0.04
83858	Assay of methsuximide	1.04	2.64	3.68
83864	Mucopolysaccharides	-0.11	0.64	0.53
83866	Mucopolysaccharides screen	0.00	0.10	0.10
83872	Assay synovial fluid mucin	-2.23	61.28	59.04
83873	Assay of csf protein	2.46	5.49	7.96
83874	Assay of myoglobin	55.88	91.23	147.11
83883	Assay	-8.08	258.96	250.88
83885	Assay of nickel	-10.53	15.77	5.24
83887	Assay of nicotine	-1.94	7.86	5.92
83890	Molecule isolate	105.50	91.60	197.10

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
83891	Molecule isolate nucleic	81.35	60.85	142.20
83892	Molecular diagnostics	60.46	84.60	145.05
83893	Molecule dot/slot/blot	13.18	15.03	28.22
83894	Molecule gel electrophor	204.92	186.03	390.95
83896	Molecular diagnostics	68.38	75.26	143.64
83897	Molecule nucleic transfer	8.53	9.90	18.43
83898	Molecule nucleic ampli	-17.02	574.68	557.67
83901	Molecule nucleic ampli	-11.22	57.28	46.06
83902	Molecular diagnostics	10.80	83.28	94.09
83903	Molecule mutation scan	3.32	10.19	13.50
83904	Molecule mutation identify	-8.25	559.51	551.26
83905	Molecule mutation identify	-0.61	1.36	0.76
83906	Molecule mutation identify	-0.22	0.56	0.33
83912	Genetic examination	199.56	112.04	311.60
83915	Assay of nucleotidase	-11.70	135.53	123.83
83916	Oligoclonal bands	-3.12	22.12	19.01
83918	Assay	615.31	392.25	1,007.56
83919	Assay	0.07	1.13	1.20
83925	Assay of opiates	-24.41	65.60	41.20
83930	Assay of blood osmolality	51.13	159.27	210.40
83935	Assay of urine osmolality	64.56	81.39	145.96
83937	Assay of osteocalcin	-75.44	189.77	114.33
83945	Assay of oxalate	10.83	193.35	204.18
83970	Assay of parathormone	6,262.27	41,931.88	48,194.16
83986	Assay of body fluid acidity	-0.61	82.11	81.50
83992	Assay for phencyclidine	-7.93	15.30	7.38
84022	Assay of phenothiazine	24.99	48.72	73.71
84030	Assay of blood pku	9.32	3.46	12.77
84035	Assay of phenylketones	0.12	0.19	0.31
84060	Assay acid phosphatase	-8.35	87.18	78.83
84061	Phosphatase	-0.03	0.07	0.04
84066	Assay prostate phosphatase	-50.25	691.05	640.80
84075 ^a	Assay alkaline phosphatase	-2,324.94	4,047.57	1,722.63
84078	Assay alkaline phosphatase	-0.28	12.51	12.23
84080	Assay alkaline phosphatases	34.30	329.93	364.23
84081	Amniotic fluid enzyme test	1.51	2.48	3.98

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
84085	Assay of rbc pg6d enzyme	-0.02	0.03	0.01
84087	Assay phosphohexose enzymes	0.34	0.53	0.87
84100 ^a	Assay of phosphorus	-925.71	4,870.60	3,944.89
84105	Assay of urine phosphorus	5.97	80.75	86.72
84106	Test for porphobilinogen	0.04	0.37	0.41
84110	Assay of porphobilinogen	2.83	8.21	11.04
84119	Test urine for porphyrins	0.28	1.12	1.41
84120	Assay of urine porphyrins	18.56	25.72	44.28
84126	Assay of feces porphyrins	-0.03	3.01	2.98
84127	Assay of feces porphyrins	-0.02	0.05	0.03
84132 ^a	Assay of serum potassium	-1,796.67	9,524.53	7,727.86
84133	Assay of urine potassium	25.93	82.62	108.55
84134	Assay of prealbumin	1,597.71	3,460.45	5,058.16
84135	Assay of pregnanediol	-1.39	2.11	0.72
84138	Assay of pregnanetriol	-0.84	1.42	0.58
84140	Assay of pregnenolone	2.03	46.96	48.99
84143	Assay of 17-hydroxypregneno	3.52	18.70	22.22
84144	Assay of progesterone	-111.70	574.73	463.02
84146	Assay of prolactin	232.83	1,751.08	1,983.91
84150	Assay of prostaglandin	-11.66	21.70	10.04
84153	Assay of PSA total	-1,411.58	77,777.64	76,366.06
84154	Assay of PSA free	-559.49	3,159.96	2,600.47
84155 ^a	Assay of protein	-1,350.53	3,420.70	2,070.17
84160	Assay of serum protein	-6.89	43.96	37.07
84165	Assay of serum proteins	1,022.47	4,723.53	5,746.00
84181	Western blot test	8.29	17.08	25.37
84182	PROTEIN western blot test	218.07	187.44	405.50
84202	Assay RBC protoporphyrin	-89.51	322.47	232.95
84203	Test RBC protoporphyrin	0.33	2.27	2.60
84206	Assay of proinsulin	5.57	4.79	10.36
84207	Assay of vitamin b-6	65.71	179.80	245.51
84210	Assay of pyruvate	-0.06	4.69	4.62
84220	Assay of pyruvate kinase	0.54	0.78	1.32
84228	Assay of quinine	0.61	0.77	1.38
84233	Assay of estrogen	-51.77	207.61	155.84
84234	Assay of progesterone	-50.97	202.52	151.56

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
84235	Assay of endocrine hormone	-4.50	24.94	20.44
84238	Assay	86.36	482.48	568.84
84244	Assay of renin	76.98	260.97	337.95
84252	Assay of vitamin b-2	7.34	39.39	46.74
84255	Assay of selenium	-14.61	40.39	25.78
84260	Assay of serotonin	153.26	91.85	245.11
84270	Assay of sex hormone globul	-15.97	154.65	138.68
84275	Assay of sialic acid	8.64	16.75	25.39
84285	Assay of silica	-0.08	0.21	0.12
84295 ^a	Assay of serum sodium	-1,288.61	3,089.71	1,801.10
84300	Assay of urine sodium	48.96	163.94	212.90
84305	Assay of somatomedin	447.74	351.85	799.59
84307	Assay of somatostatin	1.93	1.00	2.93
84311	Spectrophotometry	13.10	74.18	87.28
84315	Body fluid specific gravity	-1.87	5.87	4.00
84375	Chromatogram assay	-19.39	47.43	28.04
84376	Sugars	0.03	0.06	0.09
84377	Sugars	0.35	0.16	0.51
84378	Sugars single quant	-2.75	12.80	10.05
84379	Sugars multiple quant	-0.04	0.06	0.03
84392	Assay of urine sulfate	11.89	28.72	40.61
84402	Assay of testosterone	155.29	1,736.04	1,891.33
84403	Assay of total testosterone	591.33	6,385.99	6,977.32
84425	Assay of vitamin b-1	41.91	110.29	152.20
84430	Assay of thiocyanate	9.27	18.56	27.83
84432	Assay of thyroglobulin	47.94	282.77	330.71
84436 ^a	Assay of total thyroxine	-847.16	19,757.08	18,909.92
84437	Assay of neonatal thyroxine	1.42	1.87	3.28
84439	Assay of free thyroxine	7,460.45	14,396.17	21,856.61
84442	Assay of thyroid activity	-224.69	562.44	337.75
84443 ^a	Assay thyroid stim hormone	-6,431.49	165,365.10	158,933.60
84445	Assay of tsi	47.57	180.36	227.93
84446	Assay of vitamin e	29.73	83.57	113.30
84449	Assay of transcortin	-8.24	17.03	8.79
84450 ^a	Transferase (AST) (SGOT)	-3,635.71	9,509.09	5,873.38
84460 ^a	Alanine amino (ALT) (SGPT)	-2,969.35	9,570.58	6,601.22

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
84466	Assay of transferrin	211.87	5,314.03	5,525.89
84478 ^a	Assay of triglycerides	-1,181.16	3,145.17	1,964.01
84479 ^a	Assay of thyroid (t3 or t4)	-843.83	11,486.96	10,643.13
84480	Assay	330.24	9,503.30	9,833.54
84481	Free assay (FT-3)	872.28	1,966.18	2,838.46
84482	T3 reverse	64.74	32.52	97.26
84484	Assay of troponin	207.21	267.86	475.07
84485	Assay duodenal fluid trypsin	0.91	0.44	1.35
84488	Test feces for trypsin	0.07	0.14	0.21
84490	Assay of feces for trypsin	-15.91	44.54	28.62
84510	Assay of tyrosine	4.61	5.57	10.18
84512	Assay of troponin	23.60	22.03	45.63
84520 ^a	Assay of urea nitrogen	-1,779.96	8,717.77	6,937.81
84525	Urea nitrogen semi-quant	0.87	17.98	18.85
84540	Assay of urine/urea-n	80.65	280.87	361.51
84545	Urea-N clearance test	31.76	75.14	106.90
84550 ^a	Assay of blood/uric acid	-1,526.54	6,111.11	4,584.57
84560	Assay of urine/uric acid	86.98	142.16	229.14
84577	Assay of feces/urobilinogen	-0.11	0.17	0.06
84578	Test urine urobilinogen	-7.20	43.52	36.32
84580	Assay of urine urobilinogen	0.30	0.55	0.86
84583	Assay of urine urobilinogen	-11.05	22.19	11.14
84585	Assay of urine vma	83.78	199.85	283.63
84586	Assay of vip	23.17	35.71	58.88
84588	Assay of vasopressin	7.31	17.31	24.62
84590	Assay of vitamin a	32.93	47.21	80.13
84597	Assay of vitamin K	5.99	3.20	9.19
84600	Assay of volatiles	-13.70	39.61	25.90
84620	Xylose tolerance test	-2.16	15.20	13.04
84630	Assay of zinc	78.69	331.96	410.65
84681	Assay of c-peptide	220.75	779.53	1,000.29
84702	Chorionic gonadotropin test	66.95	100.08	167.04
84703	Chorionic gonadotropin assay	10.46	59.58	70.04
84830	Ovulation tests	-0.03	0.04	0.02
85002	Bleeding time test	56.78	119.01	175.78
85007	Differential WBC count	19.74	765.78	785.52

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
85008	Nondifferential WBC count	-208.83	659.87	451.04
85009	Differential WBC count	-73.68	182.31	108.63
85013	Hematocrit	74.74	341.16	415.90
85014	Hematocrit	649.41	1,704.23	2,353.64
85018	Hemoglobin	940.68	2,420.04	3,360.72
85021	Automated hemogram	100.23	5,675.06	5,775.29
85022 ^a	Automated hemogram	1,006.14	4,388.59	5,394.73
85023	Automated hemogram	-1,430.16	15,767.93	14,337.77
85024	Automated hemogram	-18,188.71	81,605.69	63,416.98
85025 ^a	Automated hemogram	-9,909.41	121,707.70	111,798.30
85027	Automated hemogram	-626.89	9,446.62	8,819.74
85031	Manual hemogram	-117.34	890.61	773.27
85041	Red blood cell (RBC) count	122.73	194.08	316.81
85044	Reticulocyte count	341.56	1,254.24	1,595.80
85045	Reticulocyte count	1,483.56	3,137.46	4,621.02
85046	Reticyte/hgb concentrate	11.14	129.23	140.37
85048	White blood cell (WBC) count	680.20	1,023.64	1,703.84
85130	Chromogenic substrate assay	2.55	4.21	6.77
85170	Blood clot retraction	0.00	4.38	4.38
85175	Blood clot lysis time	-0.02	0.06	0.04
85210	Blood clot factor II test	-83.21	246.42	163.21
85220	Blood clot factor V test	17.40	14.00	31.39
85230	Blood clot factor VII test	12.47	12.36	24.82
85240	Blood clot factor VIII test	64.62	47.56	112.18
85244	Blood clot factor VIII test	0.39	3.32	3.71
85245	Blood clot factor VIII test	15.08	33.15	48.24
85246	Blood clot factor VIII test	30.21	36.42	66.63
85247	Blood clot factor VIII test	16.14	12.32	28.45
85250	Blood clot factor IX test	15.98	15.69	31.67
85260	Blood clot factor X test	10.87	10.39	21.25
85270	Blood clot factor XI test	14.47	13.64	28.11
85280	Blood clot factor XII test	9.53	9.04	18.56
85290	Blood clot factor XIII test	1.49	1.53	3.02
85291	Blood clot factor XIII test	2.81	1.80	4.61
85292	Blood clot factor assay	0.35	0.42	0.77
85293	Blood clot factor assay	0.03	0.13	0.16

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
85300	Antithrombin III test	113.03	66.82	179.85
85301	Antithrombin III test	42.52	23.21	65.73
85302	Blood clot inhibitor antigen	79.74	39.28	119.02
85303	Blood clot inhibitor test	131.67	97.88	229.55
85305	Blood clot inhibitor assay	88.16	53.42	141.58
85306	Blood clot inhibitor test	148.69	99.33	248.02
85335	Factor inhibitor test	19.46	12.69	32.14
85337	Thrombomodulin	0.01	0.12	0.13
85345	Coagulation time	-3.51	9.18	5.67
85347	Coagulation time	0.56	1.30	1.86
85348	Coagulation time	0.31	1.08	1.39
85360	Euglobulin lysis	0.72	0.60	1.32
85362	Fibrin degradation products	11.33	8.78	20.11
85366	Fibrinogen test	4.12	4.63	8.74
85370	Fibrinogen test	-5.01	12.76	7.76
85378	Fibrin degradation	49.89	27.45	77.34
85379	Fibrin degradation	15.33	14.09	29.43
85384	Fibrinogen	47.27	219.58	266.85
85385	Fibrinogen	7.81	35.72	43.53
85390	Fibrinolysins screen	0.24	0.28	0.52
85400	Fibrinolytic plasmin	-0.01	0.03	0.02
85410	Fibrinolytic antiplasmin	1.47	0.71	2.19
85415	Fibrinolytic plasminogen	6.58	6.44	13.02
85420	Fibrinolytic plasminogen	23.45	9.91	33.36
85421	Fibrinolytic plasminogen	0.56	0.22	0.78
85441	Heinz bodies	0.28	0.15	0.43
85445	Heinz bodies	0.00	0.02	0.02
85460	Hemoglobin	0.06	0.26	0.31
85461	Hemoglobin	-0.01	0.05	0.04
85475	Hemolysin	4.09	2.38	6.48
85520	Heparin assay	6.49	3.81	10.30
85525	Heparin	-0.56	2.94	2.38
85535	Iron stain	11.75	52.18	63.93
85540	Wbc alkaline phosphatase	51.54	60.13	111.66
85547	RBC mechanical fragility	-0.03	0.07	0.04
85549	Muramidase	3.83	15.97	19.79

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
85555	RBC osmotic fragility	0.98	0.34	1.31
85557	RBC osmotic fragility	2.17	1.96	4.13
85576	Blood platelet aggregation	-33.12	114.18	81.06
85585	Blood platelet estimation	0.76	5.35	6.11
85590	Platelet count	-27.35	221.03	193.68
85595	Platelet count	-65.37	698.61	633.24
85597	Platelet neutralization	-6.33	33.52	27.19
85610	Prothrombin time	18,857.70	73,497.20	92,354.91
85611	Prothrombin test	8.99	50.20	59.18
85612	Viper venom prothrombin time	-5.91	22.41	16.50
85613	Russell viper venom	96.86	87.65	184.51
85635	Reptilase test	1.70	2.73	4.43
85651 ^a	Rbc sed rate	1,996.67	9,746.93	11,743.60
85652	Rbc sed rate	2,671.28	2,725.05	5,396.33
85660	RBC sickle cell test	13.83	42.03	55.86
85670	Thrombin time	9.28	49.09	58.38
85675	Thrombin time	0.07	0.08	0.16
85705	Thromboplastin inhibition	10.91	9.30	20.21
85730	Thromboplastin time	476.85	4,844.61	5,321.46
85732	Thromboplastin time	35.53	55.89	91.42
85810	Blood viscosity examination	29.66	148.63	178.28
86000	Agglutinins	-6.90	37.62	30.72
86003 ^a	Allergen specific IgE	-751.66	2,835.00	2,083.34
86005 ^a	Allergen specific IgE	1.27	20.34	21.61
86021	WBC antibody identification	268.92	361.77	630.69
86022	Platelet antibodies	124.04	125.30	249.34
86023	Immunoglobulin assay	52.65	39.93	92.58
86038	Antinuclear antibodies	39.02	8,303.85	8,342.87
86039	Antinuclear antibodies (ANA)	-313.61	1,134.52	820.91
86060	Antistreptolysin o	-128.89	718.25	589.36
86063	Antistreptolysin o	-70.32	241.14	170.82
86140	C-reactive protein	1,589.63	3,697.23	5,286.86
86147	Cardiolipin antibody	-80.57	1,010.18	929.61
86148	Phospholipid antibody	-0.30	43.51	43.21
86155	Chemotaxis assay	-0.19	1.46	1.27
86156	Cold agglutinin	-10.44	32.27	21.82

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
86157	Cold agglutinin	7.65	34.09	41.74
86160	Complement	-59.82	2,256.11	2,196.28
86161	Complement/function activity	-79.44	224.91	145.47
86162	Complement	90.79	357.89	448.68
86171	Complement fixation	-3.94	20.09	16.15
86185	Counterimmunoelectrophoresis	0.02	0.07	0.09
86215	Deoxyribonuclease	1.39	7.85	9.23
86225	DNA antibody	-237.58	1,597.86	1,360.29
86226	DNA antibody	1.70	106.43	108.12
86235	Nuclear antigen antibody	-2,433.23	6,262.97	3,829.74
86243	Fc receptor	-0.10	0.10	0.00
86255 ^a	Fluorescent antibody	231.58	1,293.31	1,524.90
86256	Fluorescent antibody	-100.47	988.18	887.70
86277	Growth hormone antibody	-0.07	0.57	0.50
86280	Hemagglutination inhibition	0.71	5.10	5.81
86308	Heterophile antibodies	12.91	85.74	98.65
86309	Heterophile antibodies	0.68	3.77	4.45
86310	Heterophile antibodies	-3.11	5.60	2.49
86316	Immunoassay	-109.94	9,625.00	9,515.07
86317	Immunoassay	-583.42	1,074.47	491.05
86318	Immunoassay	-217.83	663.92	446.09
86320	Serum immunoelectrophoresis	-137.41	758.62	621.20
86325	Other immunoelectrophoresis	134.87	341.41	476.27
86327	Immunoelectrophoresis assay	0.31	0.73	1.04
86329	Immunodiffusion	-14.41	140.34	125.93
86331	Immunodiffusion ouchterlony	-21.92	112.41	90.49
86332	Immune complex assay	-17.73	139.78	122.05
86334	Immunofixation procedure	313.54	3,130.86	3,444.40
86337	Insulin antibodies	-6.02	32.00	25.98
86340	Intrinsic factor antibody	33.14	77.09	110.23
86341	Islet cell antibody	2.88	10.16	13.03
86343	Leukocyte histamine release	3.98	1.00	4.98
86344	Leukocyte phagocytosis	1.08	0.98	2.06
86353	Lymphocyte transformation	-779.48	1,178.15	398.66
86359	T cells	-153.92	1,432.33	1,278.41
86360	T cell	407.19	3,085.27	3,492.46

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
86361	T cell	120.13	415.11	535.24
86376	Microsomal antibody	-53.23	1,210.55	1,157.32
86378	Migration inhibitory factor	-0.33	0.83	0.49
86382	Neutralization test	-4.72	37.31	32.59
86384	Nitroblue tetrazolium dye	5.10	1.75	6.85
86403	Particle agglutination test	-168.78	431.87	263.09
86406	Particle agglutination test	-1.10	3.20	2.10
86430 ^a	Rheumatoid factor test	-246.98	1,251.82	1,004.84
86431	Rheumatoid factor	713.80	1,919.21	2,633.01
86588	Streptocollus	-90.94	224.78	133.84
86590	Streptokinase	-1.75	3.81	2.06
86592 ^a	Blood serology	13.82	837.32	851.14
86593	Blood serology	-5.59	38.32	32.73
86602	Antinomyces antibody	-1.63	12.63	11.00
86603	Adenovirus antibody	2.16	4.18	6.34
86606	Aspergillus antibody	-14.14	86.44	72.30
86609	Bacterium antibody	-2.92	155.34	152.41
86612	Blastomycetes antibody	5.83	40.03	45.85
86615	Bordetella antibody	-1.83	8.74	6.91
86617	Lyme disease antibody	178.60	738.50	917.10
86618	Lyme disease antibody	329.05	1,923.76	2,252.80
86619	Borrelia antibody	0.00	0.57	0.56
86622	Brucella antibody	2.22	9.67	11.88
86625	Campylobacter antibody	-2.83	8.84	6.01
86628	Candida antibody	-9.09	101.70	92.61
86631	Chlamydia antibody	9.61	100.31	109.92
86632	Chlamydia igm antibody	-13.76	100.43	86.67
86635	Coccidioides antibody	3.50	164.77	168.27
86638	Q fever antibody	0.14	5.36	5.50
86641	Cryptococcus antibody	1.61	12.40	14.00
86644 ^a	CMV antibody	16.89	190.36	207.25
86645	CMV antibody	23.21	152.20	175.41
86648	Diphtheria antibody	1.46	5.60	7.06
86651	Encephalitis antibody	-0.62	1.36	0.74
86652	Encephalitis antibody	-0.19	0.78	0.59
86653	Encephalitis antibody	-0.12	0.74	0.62

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
86654	Encephalitis antibody	-0.05	0.55	0.49
86658	Enterovirus antibody	-10.30	39.80	29.49
86663	Epstein-barr antibody	-1.49	154.22	152.73
86664	Epstein-barr antibody	-34.96	222.21	187.25
86665	Epstein-barr antibody	-58.09	497.85	439.76
86668	Francisella tularensis	0.98	2.90	3.88
86671	Fungus antibody	-1.95	19.82	17.87
86674	Giardia lamblia antibody	-5.10	36.04	30.94
86677	Helicobacter pylori	833.20	4,309.20	5,142.39
86682	Helminth antibody	3.96	4.88	8.83
86684	Hemophilus influenza	1.46	3.20	4.66
86687	Htlv-i antibody	1.31	14.95	16.26
86688	Htlv-ii antibody	-1.49	2.73	1.24
86689	HTLV/HIV confirmatory test	17.57	59.41	76.98
86692	Hepatitis	3.27	25.22	28.48
86694 ^a	Herpes simplex test	2.52	119.52	122.04
86695	Herpes simplex test	0.13	114.56	114.69
86698	Histoplasma	8.70	73.42	82.12
86701	HIV-1	333.59	632.28	965.87
86702	HIV-2	0.08	5.37	5.46
86703	HIV-1/HIV-2	-32.21	201.44	169.22
86704 ^a	Hep b core antibody	-158.26	1,602.08	1,443.82
86705	Hep b core antibody	85.98	575.48	661.46
86706	Hep b surface antibody	553.87	5,405.05	5,958.92
86707	Hep be antibody	2.56	188.46	191.02
86708 ^a	Hep a antibody	-74.98	1,331.94	1,256.96
86709	Hep a antibody	64.10	626.94	691.04
86710	Influenza virus antibody	-6.51	64.00	57.48
86713	Legionella antibody	2.54	75.48	78.02
86717	Leishmania antibody	-0.07	0.38	0.31
86720	Leptospira antibody	0.65	1.37	2.02
86723	Listeria monocytogenes ab	0.17	0.11	0.28
86727	Lymph choriomeningitis ab	0.00	0.26	0.26
86729	Lympho venereum antibody	0.19	0.09	0.27
86735	Mumps antibody	3.88	23.58	27.46
86738	Mycoplasma antibody	26.31	194.51	220.82

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
86741	Neisseria meningitidis	-0.01	0.13	0.11
86744	Nocardia antibody	0.30	0.18	0.49
86747	Parvovirus antibody	5.52	48.05	53.57
86750	Malaria antibody	0.47	1.29	1.76
86753	Protozoa antibody nos	11.78	24.38	36.16
86756	Respiratory virus antibody	0.72	1.31	2.03
86759	Rotavirus antibody	-0.26	1.51	1.26
86762 ^a	Rubella antibody	-40.88	127.03	86.15
86765	Rubeola antibody	12.97	36.12	49.09
86768	Salmonella antibody	-3.50	9.45	5.95
86771	Shigella antibody	-0.01	0.47	0.46
86774	Tetanus antibody	2.59	12.16	14.75
86777 ^a	Toxoplasma antibody	8.13	116.61	124.74
86778	Toxoplasma antibody	14.18	40.04	54.22
86781	Treponema pallidum	-10.05	249.72	239.66
86784	Trichinella antibody	2.36	2.56	4.92
86787	Varicella-zoster antibody	51.98	103.61	155.59
86790	Virus antibody nos	23.66	77.08	100.74
86793	Yersinia antibody	-3.49	6.43	2.94
86800	Thyroglobulin antibody	-158.59	1,015.74	857.14
86803 ^a	Hepatitis C ab test	628.17	5,014.69	5,642.86
86804	Hep c ab test	136.99	80.91	217.90
86805	Lymphocytotoxicity assay	-2.15	11.62	9.47
86806	Lymphocytotoxicity assay	-0.52	0.59	0.07
86807	Cytotoxic antibody screening	-84.34	160.60	76.26
86808	Cytotoxic antibody screening	0.40	4.19	4.59
86812	HLA typing	28.04	199.33	227.37
86813	HLA typing	2.43	42.60	45.02
86816	HLA typing	1.65	2.92	4.57
86817	HLA typing	5.11	29.91	35.02
86821	Lymphocyte culture	1.09	3.38	4.46
86880	Coombs test	-10.42	161.37	150.96
86885	Coombs test	-2.44	13.47	11.03
86886	Coombs test	-1.71	10.69	8.98
86900 ^a	Blood typing	9.27	188.48	197.75
86903	Blood typing	-9.47	26.52	17.05

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
86904	Blood typing	-3.53	8.24	4.71
86905	Blood typing	21.56	16.61	38.16
86906	Blood typing	-0.68	3.39	2.71
86940	Hemolysins/agglutinins	-1.98	4.88	2.90
86941	Hemolysins/agglutinins	-0.60	1.79	1.18
87001	Small animal inoculation	-0.08	0.15	0.06
87003	Small animal inoculation	-0.01	0.01	0.00
87015	Specimen concentration	85.38	269.68	355.06
87040	Blood culture for bacteria	608.99	1,961.86	2,570.85
87045	Stool culture for bacteria	422.39	1,567.55	1,989.94
87060	Nose/throat culture	165.30	1,077.19	1,242.49
87070	Culture specimen	1,134.62	6,931.25	8,065.87
87072	Culture of specimen by kit	-248.38	1,349.60	1,101.22
87075	Culture specimen	210.20	769.52	979.72
87076	Bacteria identification	-69.40	137.56	68.16
87081	Bacteria culture screen	69.49	779.11	848.60
87082	Culture of specimen by kit	-39.34	131.54	92.20
87083	Culture of specimen by kit	-65.21	166.61	101.40
87084	Culture of specimen by kit	-184.54	511.31	326.77
87085	Culture of specimen by kit	-122.26	291.85	169.59
87086	Urine culture/colony count	3,528.60	29,506.20	33,034.80
87087	Urine bacteria culture	920.28	1,722.00	2,642.28
87088	Urine bacteria culture	-3,111.92	11,644.96	8,533.04
87101	Skin fungus culture	-117.06	844.95	727.89
87102	Fungus isolation culture	150.20	677.08	827.28
87103	Blood fungus culture	6.52	23.79	30.31
87106	Fungus identification	-171.94	831.32	659.37
87109	Mycoplasma culture	3.43	40.00	43.43
87110	Culture	-10.51	47.28	36.77
87116	Mycobacteria culture	29.68	107.40	137.08
87117	Mycobacteria culture	38.09	291.15	329.24
87118	Mycobacteria identification	2.25	18.22	20.47
87140	Culture typing	2.34	9.04	11.38
87143	Culture typing	-0.48	1.11	0.63
87145	Culture typing	-0.19	0.31	0.12
87147	Culture typing	0.45	119.40	119.85

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
87151	Culture typing	-9.73	34.32	24.58
87155	Culture typing	-2.50	4.93	2.43
87158	Culture typing	-45.90	84.59	38.70
87163	Special microbiology culture	-1,858.68	5,063.57	3,204.89
87164	Dark field examination	-3.04	12.43	9.39
87166	Dark field examination	-1.37	5.59	4.22
87174	Endotoxin	0.22	2.85	3.07
87175	Assay	0.18	0.40	0.58
87176	Endotoxin	1.40	5.83	7.23
87177	Ova and parasites smears	-171.15	1,272.39	1,101.24
87181	Antibiotic sensitivity	-155.22	385.54	230.31
87184	Antibiotic sensitivity	-480.22	5,187.84	4,707.62
87186	Antibiotic sensitivity	-2,824.92	13,806.09	10,981.17
87187	Antibiotic sensitivity	-26.51	43.87	17.37
87188	Antibiotic sensitivity	-15.30	35.60	20.30
87190	TB antibiotic sensitivity	4.25	16.39	20.64
87192	Antibiotic sensitivity	2.28	12.19	14.47
87197	Bactericidal level	0.01	0.28	0.29
87205	Smear	164.06	1,723.69	1,887.75
87206	Smear	78.06	281.23	359.29
87207	Smear	11.69	28.96	40.65
87208	Smear	4.64	29.83	34.47
87210	Smear	-21.33	644.76	623.42
87211	Smear	63.47	153.59	217.06
87220	Tissue exam for fungi	45.83	521.99	567.82
87230	Assay	196.47	1,582.38	1,778.85
87250	Virus inoculation for test	-1.43	11.15	9.72
87252	Virus inoculation for test	-500.51	1,335.40	834.89
87253	Virus inoculation for test	-163.08	279.94	116.86
87260	Adenovirus ag	-0.32	0.53	0.20
87265	Pertussis ag	0.43	0.51	0.94
87270	Chylmd trach ag	0.92	8.40	9.32
87272	Cryptosporidium ag	-2.24	41.32	39.08
87274	Herpes simplex ag	-9.37	68.09	58.72
87276	Influenza ag	-1.35	20.71	19.36
87278	Legion pneumo ag	0.90	0.72	1.62

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
87280	Resp syncytial ag	0.53	2.92	3.45
87285	Trepon pallidum ag	-0.11	0.24	0.14
87290	Varicella ag	0.93	11.15	12.08
87299	Ag detection nos	4.15	14.89	19.04
87301	Adenovirus ag	-0.52	1.90	1.39
87320	Chylmd trach ag	-0.61	13.81	13.20
87324	Clostridium ag	873.11	1,317.59	2,190.70
87328	Cryptospor ag	-7.57	433.39	425.81
87332	Cytomegalovirus ag	1.43	1.03	2.46
87335	E coli 0157 ag	-3.08	33.54	30.46
87340 ^a	Hepatitis B surface ag	3,610.94	16,005.65	19,616.60
87350	Hepatitis be ag	42.37	206.10	248.46
87380	Hepatitis delta ag	0.38	1.95	2.32
87385	Histoplasma capsul ag	3.46	2.29	5.75
87390	Hiv-1 ag	1.61	33.56	35.17
87391	Hiv-2 ag	0.05	0.09	0.15
87420	Resp syncytial ag	-0.41	1.38	0.97
87425	Rotavirus ag	8.23	9.40	17.63
87430	Strep a ag	-117.56	272.39	154.83
87449	Ag detect nos	61.78	404.63	466.41
87450	Ag detect nos	5.21	5.87	11.08
87470	Bartonella	-1.47	2.76	1.29
87471	Bartonella	0.05	0.15	0.20
87476	Lyme dis	-1.28	113.17	111.89
87477	Lyme dis	0.01	0.21	0.22
87480	Candida	-78.12	252.67	174.55
87481	Candida	-0.03	0.04	0.00
87482	Candida	-0.04	0.06	0.02
87485	Chylmd pneum	-1.30	3.87	2.57
87486	Chylmd pneum	-6.19	10.32	4.13
87490	Chylmd trach	-360.55	1,111.38	750.83
87491	Chylmd trach	-208.63	417.99	209.36
87492	Chylmd trach	-0.01	0.10	0.09
87495	Cytomeg	0.25	0.35	0.60
87496	Cytomeg	10.47	29.91	40.39
87497	Cytomeg	13.28	12.72	26.00

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
87510	Gardner vag	-77.35	251.82	174.47
87511	Gardner vag	-0.02	0.03	0.01
87515	Hepatitis B	2.01	2.71	4.73
87516	Hepatitis B	6.38	11.58	17.96
87517	Hepatitis B	45.79	67.26	113.05
87520	Hepatitis C	-0.33	2.87	2.54
87521	Hepatitis C	118.16	149.84	268.00
87522	Hepatitis C	583.76	583.04	1,166.80
87525	Hepatitis G	-0.03	0.06	0.03
87526	Hepatitis G	0.51	0.54	1.05
87527	Hepatitis G	0.03	0.06	0.08
87528	Hsv	0.00	0.10	0.10
87529	Hsv	-3.18	13.63	10.45
87530	Hsv	1.12	1.73	2.85
87532	Hhv-6	1.75	4.06	5.80
87534	Hiv-1	-0.18	1.36	1.17
87535	Hiv-1	4.85	48.91	53.76
87536	Hiv-1	-602.64	9,945.25	9,342.61
87538	Hiv-2	0.07	0.10	0.17
87539	Hiv-2	0.07	0.12	0.19
87540	Legion pneumo	-0.01	0.01	0.00
87541	Legion pneumo	0.19	0.24	0.43
87550	Mycobacteria	-0.26	0.88	0.62
87551	Mycobacteria	0.25	0.44	0.68
87552	Mycobacteria	0.10	0.05	0.15
87555	M. tuberculo	0.04	4.65	4.69
87556	M. tuberculo	4.79	12.58	17.37
87560	M. avium-intra	-1.24	8.34	7.09
87561	M. avium-intra	-0.01	0.02	0.00
87580	M. pneumon	-0.07	0.21	0.14
87581	M. pneumon	-7.69	12.81	5.12
87582	M. pneumon	-0.04	0.06	0.02
87590	N. gonorrhoeae	-389.41	1,073.26	683.85
87591	N. gonorrhoeae	-195.90	378.15	182.25
87620	Hpv	-0.19	4.21	4.02
87621	Hpv	-43.69	137.41	93.71

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
87622	Hpv	0.07	0.29	0.36
87650	Strep a	-7.55	15.49	7.95
87651	Strep a	0.01	0.05	0.06
87652	Strep a	-0.12	0.14	0.02
87797	Detect agent nos	-98.82	309.58	210.76
87798	Detect agent nos	-139.92	359.62	219.71
87799	Detect agent nos	4.75	3.74	8.49
87810	Chylmd trach assay w/optic	-0.13	1.53	1.40
87850	N. gonorrhoeae assay w/optic	-0.12	0.62	0.50
87880	Strep a assay w/optic	-557.35	1,263.18	705.83
87899	Agent nos assay w/optic	7.39	26.16	33.54
88130	Sex chromatin identification	-0.04	0.82	0.78
88140	Sex chromatin identification	0.81	0.61	1.41
88150	Cytopath	-62.98	1,043.99	981.02
88152	Cytopath	-0.77	1.74	0.97
88153	Cytopath	-1.91	8.52	6.61
88154	Cytopath	-0.03	0.45	0.42
88155	Cytopath	-22.07	211.98	189.91
88164	Cytopath tbs	698.55	7,575.30	8,273.84
88165	Cytopath tbs	-22.42	116.98	94.55
88166	Cytopath tbs	-7.01	17.55	10.54
88167	Cytopath tbs	3.12	26.37	29.49
88230	Tissue culture	-2.89	61.58	58.69
88233	Tissue culture	-0.90	5.62	4.71
88235	Tissue culture	-0.76	23.65	22.89
88237	Tissue culture	-5.70	2,097.92	2,092.22
88239	Tissue culture	-0.22	17.21	16.99
88240	Cell cryopreserve/storage	5.54	0.63	6.17
88241	Frozen cell preparation	0.10	0.06	0.17
88245	Chromosome analysis 20-25	-0.05	0.21	0.15
88248	Chromosome analysis 50-100	0.11	0.52	0.64
88261	Chromosome analysis 5	-38.57	214.03	175.46
88262	Chromosome analysis 15-20	-81.77	1,496.71	1,414.94
88263	Chromosome analysis 45	1.08	6.42	7.50
88264	Chromosome analysis 20-25	23.26	413.83	437.09
88267	Chromosome analys	-0.52	11.49	10.98

^aPanel, or component of a panel.

(continued)

Table B-6. Difference in Expenditures by Procedure (\$1,000s) (continued)

HCPCS Code	Description	Difference	NLA-based Expenditure	Charge-based Expenditure
88269	Chromosome analysis	0.03	9.13	9.16
88271	Cytogenetics	36.47	43.13	79.61
88272	Cytogenetics	0.07	0.15	0.22
88273	Cytogenetics	4.64	5.38	10.02
88274	Cytogenetics	14.99	32.51	47.50
88275	Cytogenetics	23.93	26.13	50.06
88280	Chromosome karyotype study	25.68	108.85	134.52
88283	Chromosome banding study	0.56	1.59	2.15
88285	Chromosome count	-4.54	40.02	35.47
88289	Chromosome study	-0.57	4.34	3.77
88371	PROTEIN western blot tissue	-0.06	0.22	0.16
88372	Protein analysis w/probe	0.84	3.04	3.88
89050	Body fluid cell count	36.83	105.43	142.26
89051	Body fluid cell count	24.34	296.27	320.60
89060	EXAM synovial fluid crystals	7.07	378.89	385.96
89125	Specimen fat stain	6.83	17.34	24.17
89160	Exam feces for meat fibers	-4.71	22.08	17.38
89190	Nasal smear for eosinophils	-22.96	118.41	95.45
89300	Semen analysis	0.03	0.68	0.71
89310	Semen analysis	0.19	0.98	1.17
89320	Semen analysis	0.13	4.75	4.89
89325	Sperm antibody test	0.05	0.15	0.20
89329	Sperm evaluation test	0.00	0.03	0.03
89330	EVALUATION cervical mucus	-0.01	0.05	0.04
89355	Exam feces for starch	0.09	0.16	0.25
89365	Water load test	0.31	0.73	1.04
G0026	Fecal leukocyte examination	37.55	43.39	80.94
G0027	Semen analysis	-3.76	5.02	1.26
G0103	PSA total screening	-822.68	25,504.78	24,682.10
G0107	CA screen; fecal blood test	1,745.14	5,539.96	7,285.10
P3000	Screen pap by tech w/ md supv	-585.25	11,732.56	11,147.31
Q0111	Wet mounts/ w/ preparations	-21.41	511.76	490.35
Q0112	Potassium hydroxide preps	-57.51	276.90	219.39
Q0113	Pinworm examinations	-0.32	1.42	1.10
Q0114	Fern test	-2.74	6.92	4.18
Q0115	Post-coital mucous exam	-0.11	0.25	0.13

^aPanel, or component of a panel.

Appendix C: Scatterplots for Visual Comparisons

Figure C-1. NLA-based versus Charge-based Relative Values, Numeraire Defined by Class: Chemistry and Toxicology

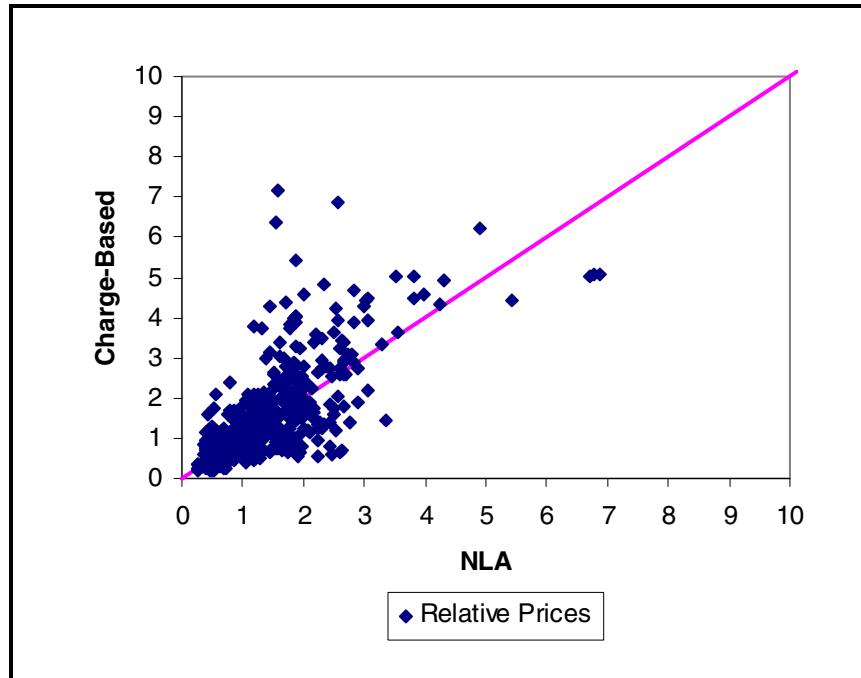


Figure C-2. NLA-based versus Charge-based Relative Values, Numeraire Defined by Class: Cytogenetic Studies

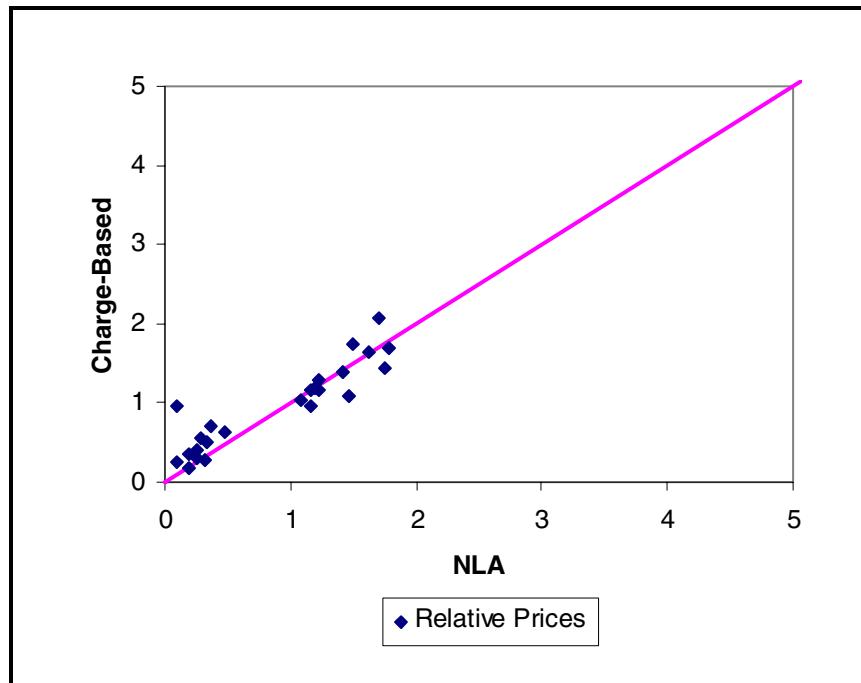


Figure C-3. NLA-based versus Charge-based Relative Values, Numeraire Defined by Class: Cytopathology

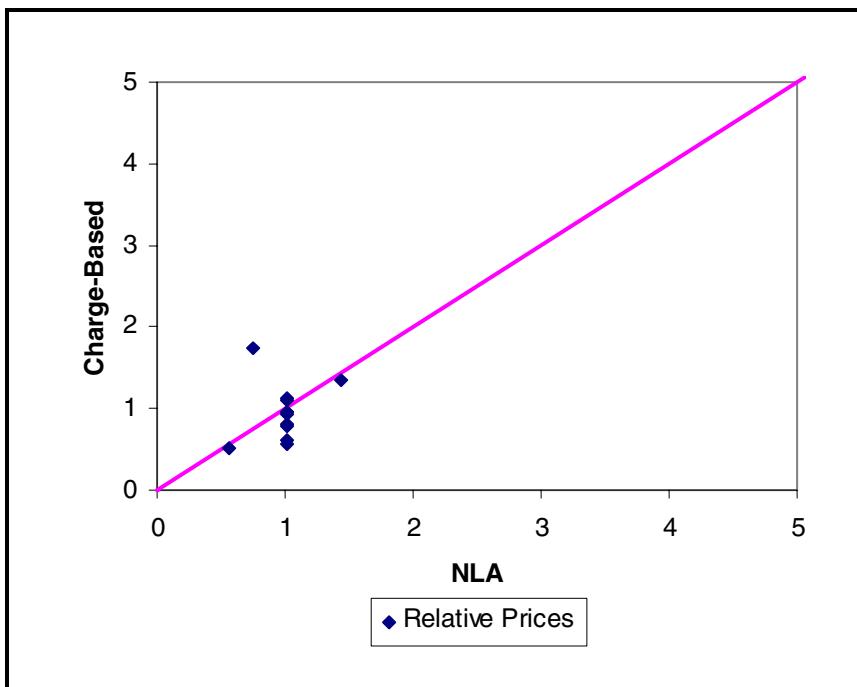


Figure C-4. NLA-based versus Charge-based Relative Values, Numeraire Defined by Class: Drug Testing

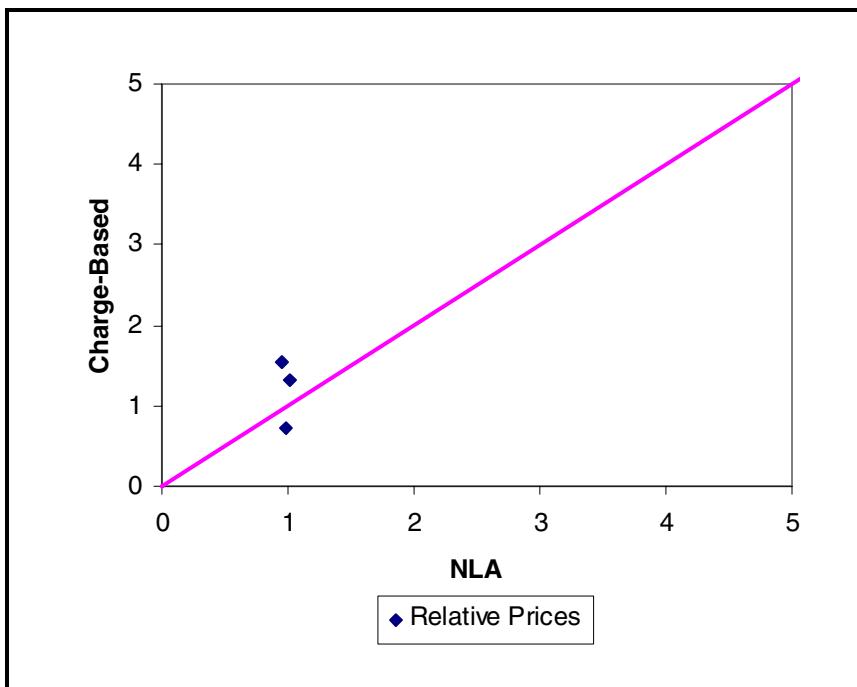


Figure C-5. NLA-based versus Charge-based Relative Values, Numeraire Defined by Class: Hematology

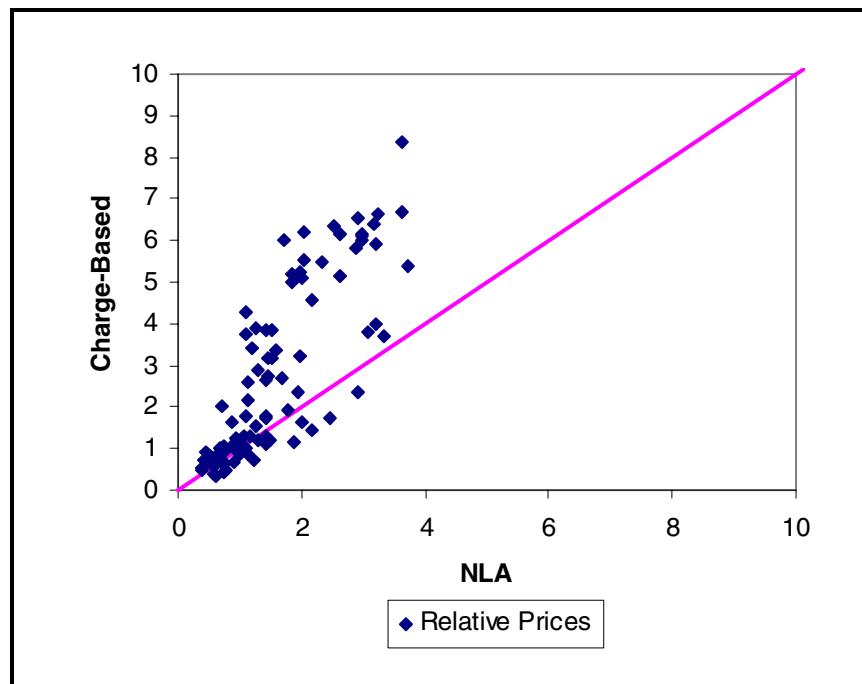


Figure C-6. NLA-based versus Charge-based Relative Values, Numeraire Defined by Class: Immunology

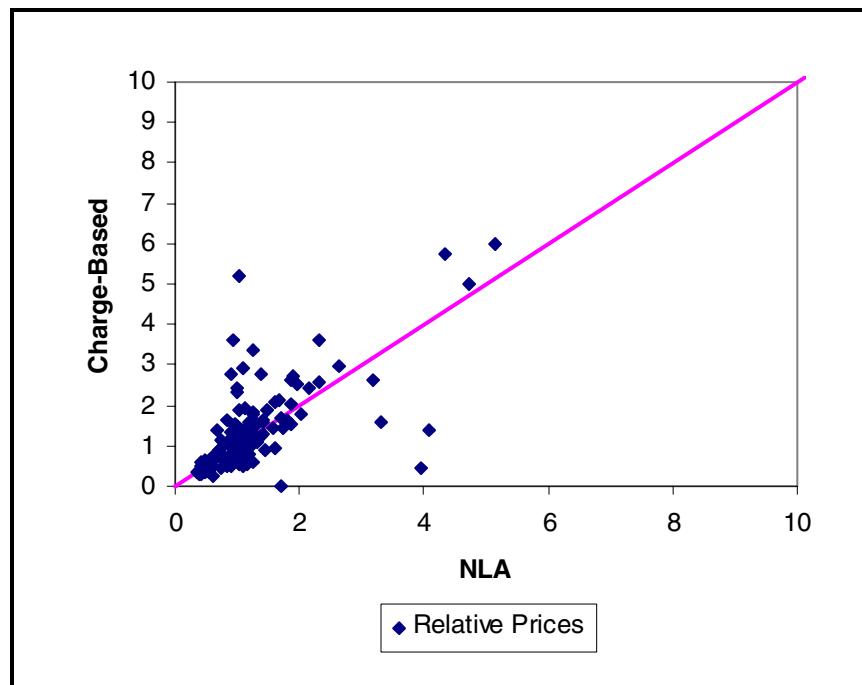


Figure C-7. NLA-based versus Charge-based Relative Values, Numeraire Defined by Class: Microbiology

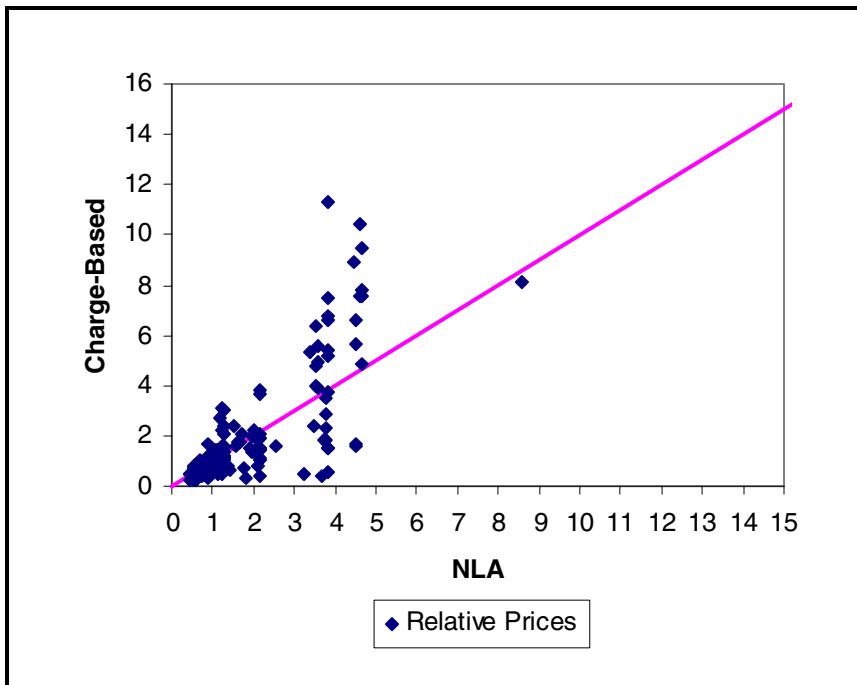


Figure C-8. NLA-based versus Charge-based Relative Values, Numeraire Defined by Class: Other

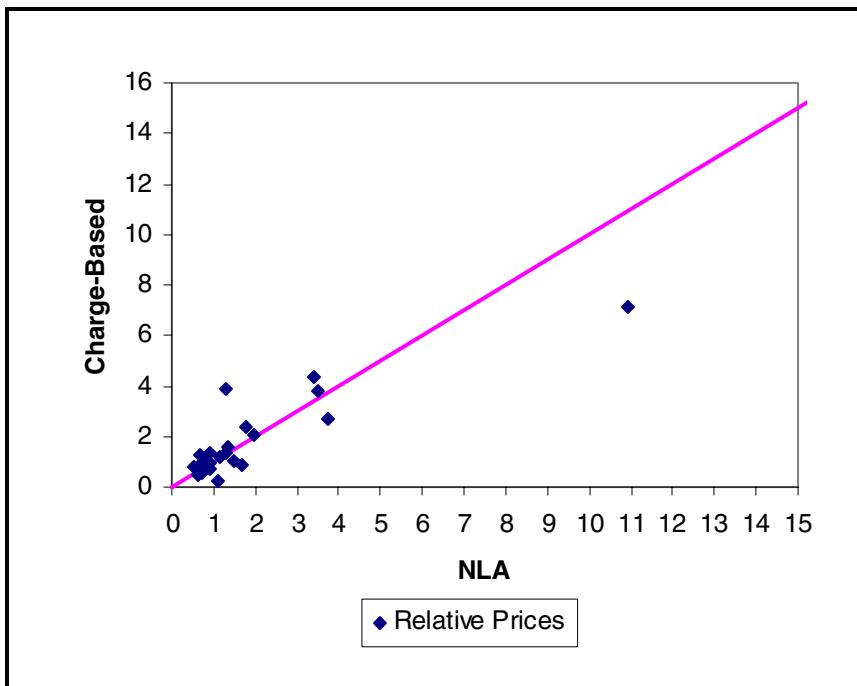


Figure C-9. NLA-based versus Charge-based Relative Values, Numeraire Defined by Class: Organ and Disease Panels

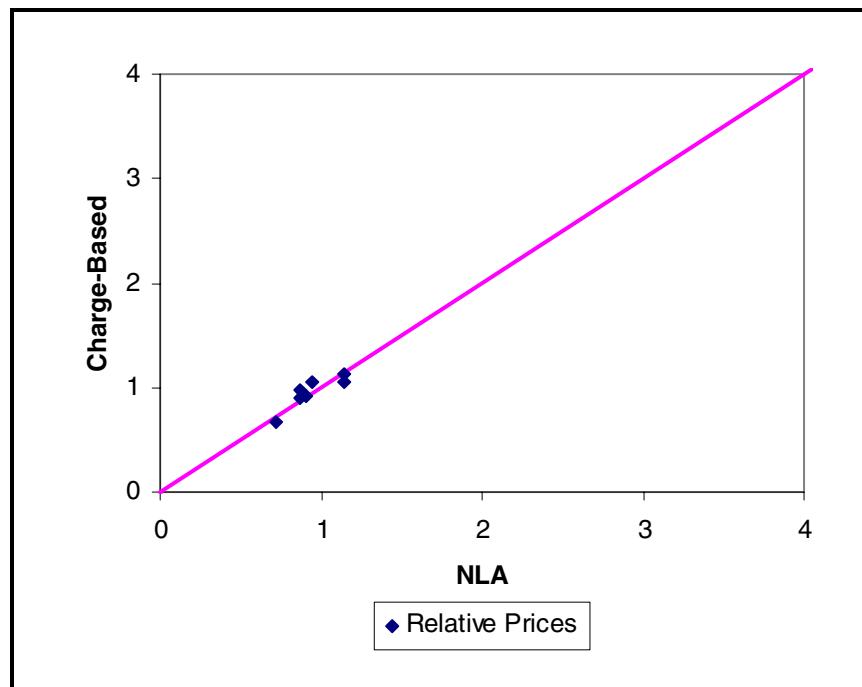


Figure C-10. NLA-based versus Charge-based Relative Values, Numeraire Defined by Class: Therapeutic Drug Assays

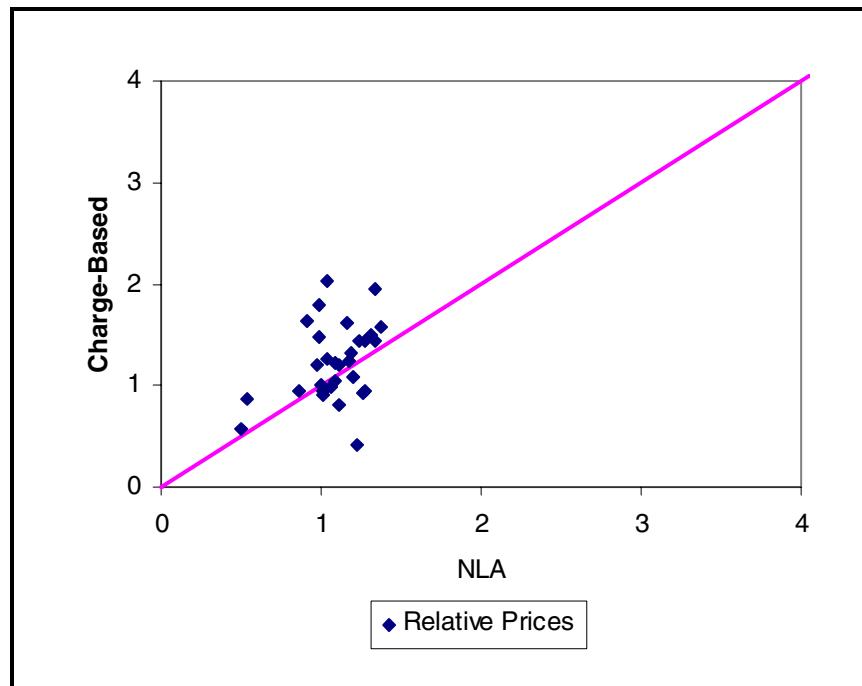


Figure C-11. NLA-based versus Charge-based Relative Values, Numeraire Defined by Class: Transfusion Medicine

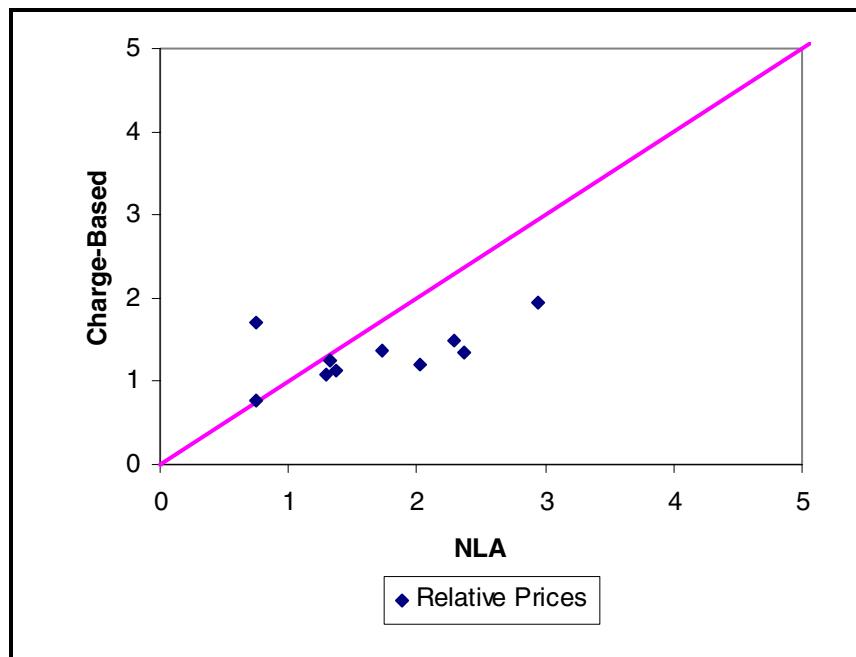


Figure C-12. NLA-based versus Charge-based Relative Values, Numeraire Defined by Class: Urinalysis

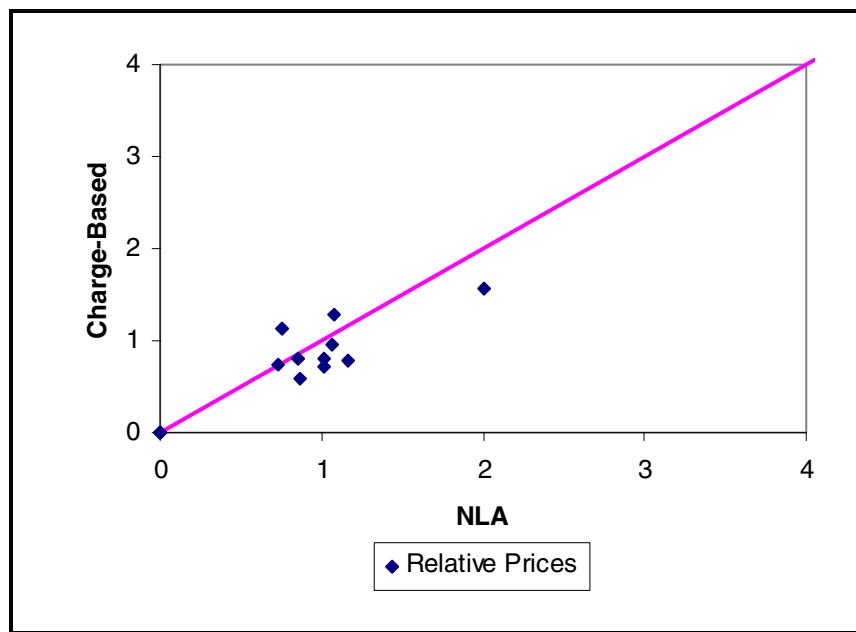


Figure C-13. Relative Values for Physician Operated and Independent Labs, All, and By Class: All

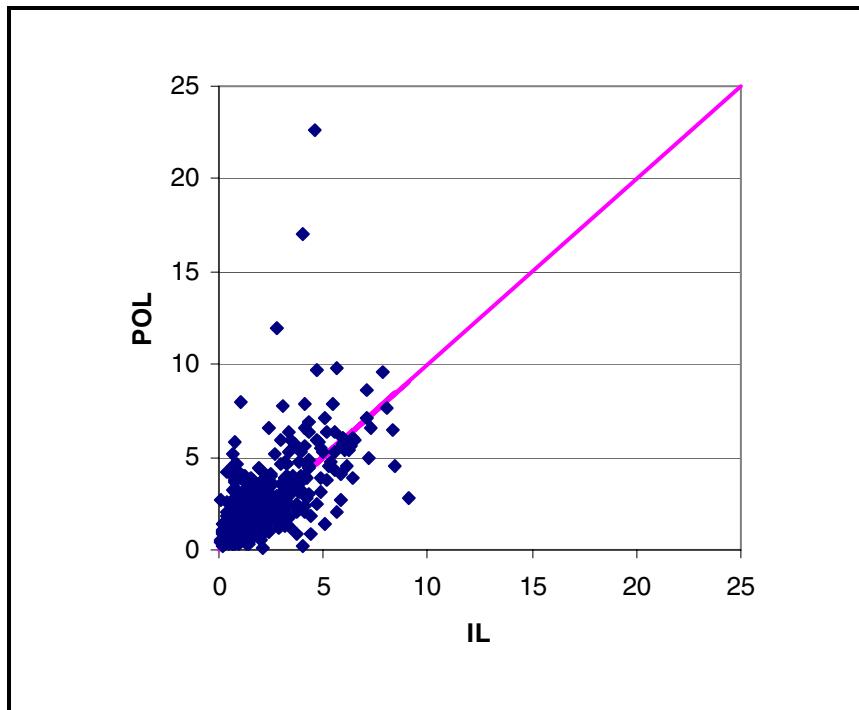


Figure C-14. Relative Values for Physician Operated and Independent Labs, All, and By Class: Chemistry and Toxicology

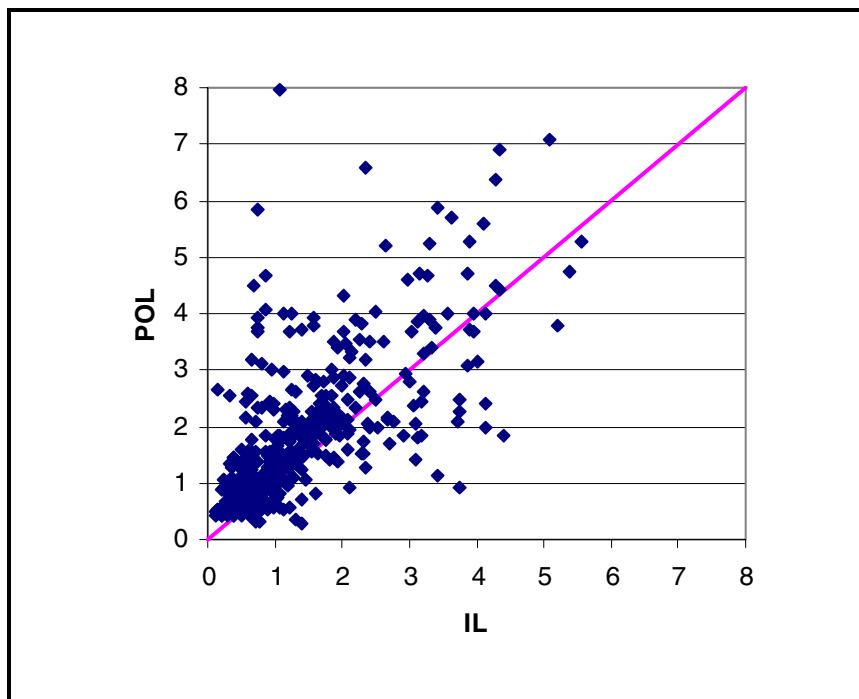


Figure C-15. Relative Values for Physician Operated and Independent Labs, All, and By Class: Cytogenetic Studies

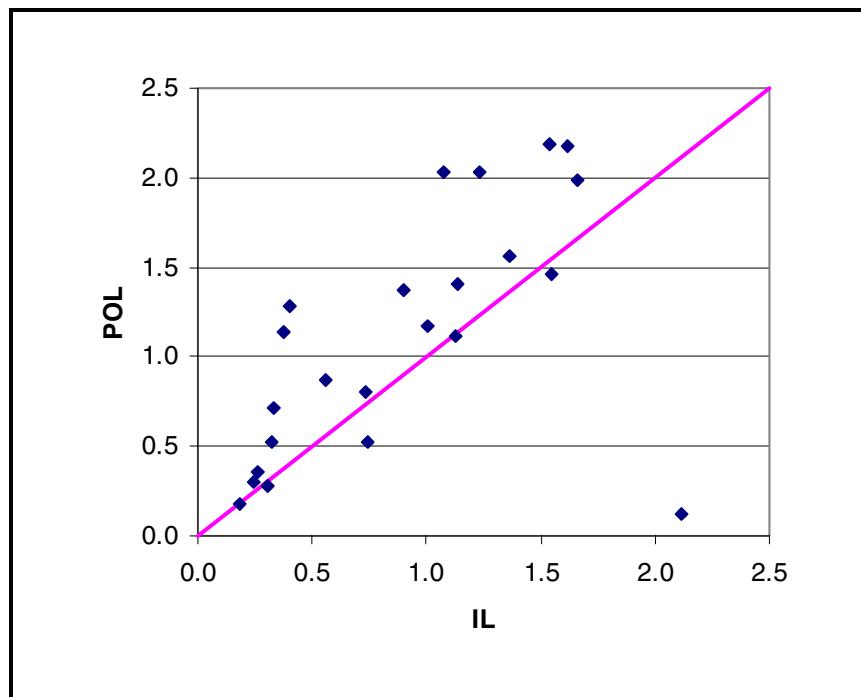


Figure C-16. Relative Values for Physician Operated and Independent Labs, All, and By Class: Cytopathology

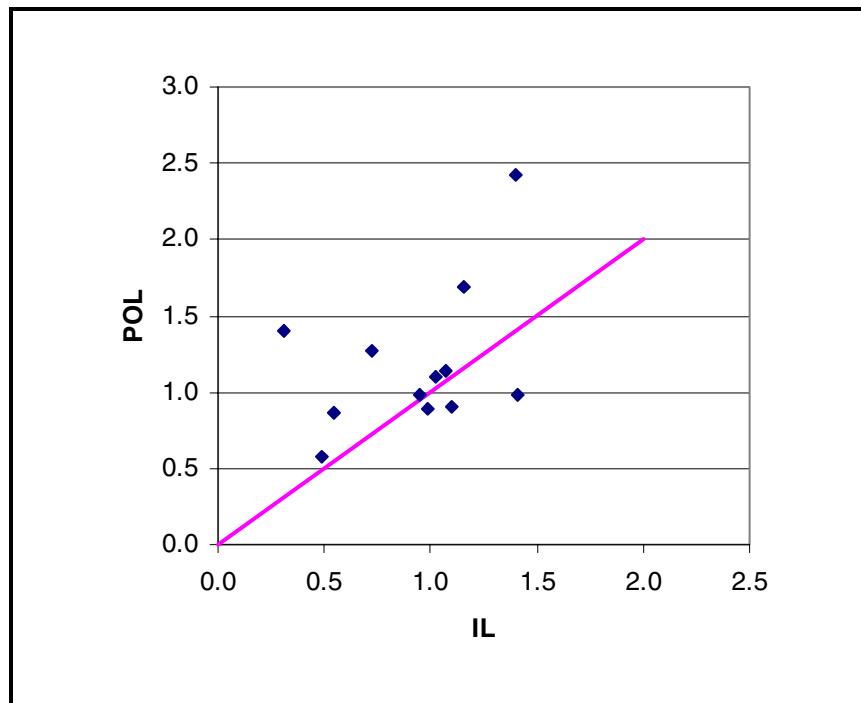


Figure C-17. Relative Values for Physician Operated and Independent Labs, All, and By Class: Drug Testing

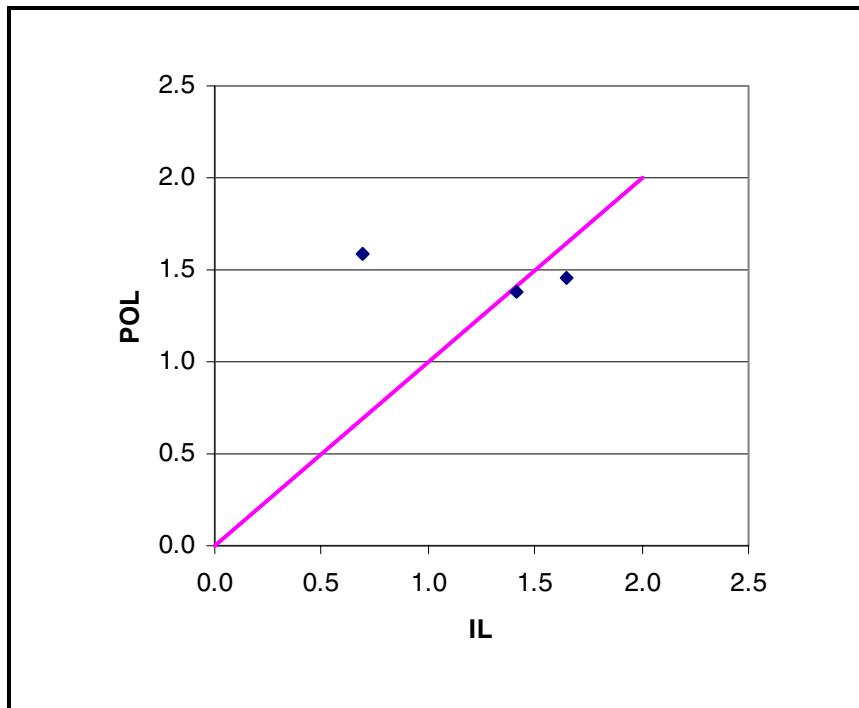


Figure C-18. Relative Values for Physician Operated and Independent Labs, All, and By Class: Hematology

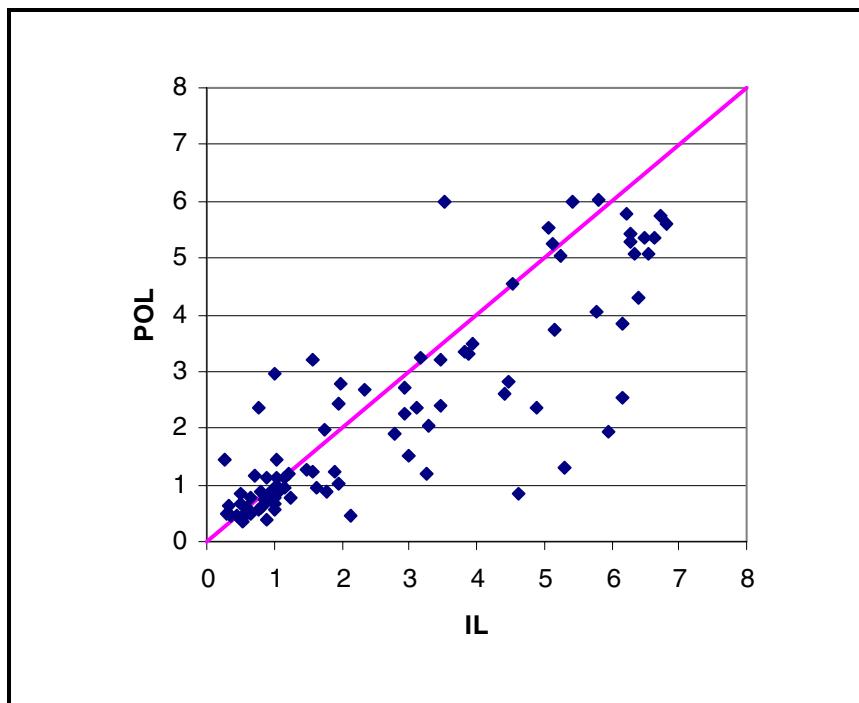


Figure C-19. Relative Values for Physician Operated and Independent Labs, All, and By Class: Immunology

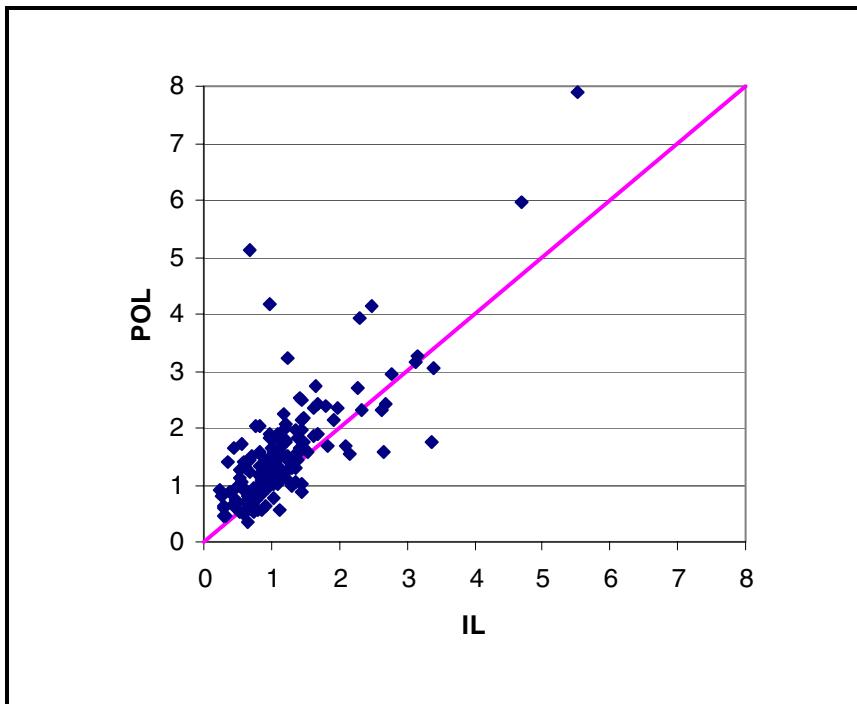


Figure C-20. Relative Values for Physician Operated and Independent Labs, All, and By Class: Microbiology

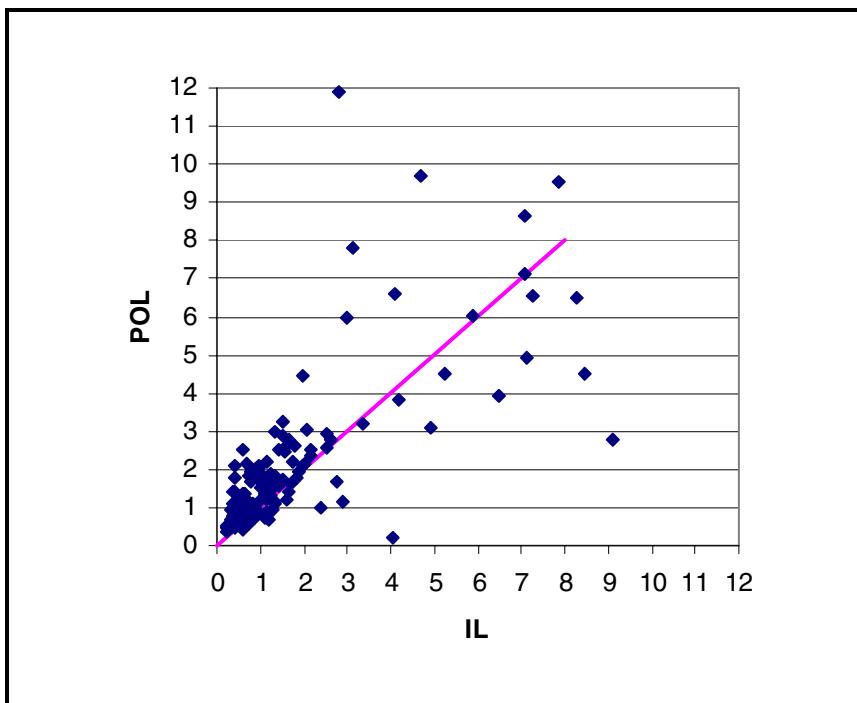


Figure C-21. Relative Values for Physician Operated and Independent Labs, All, and By Class: Panels

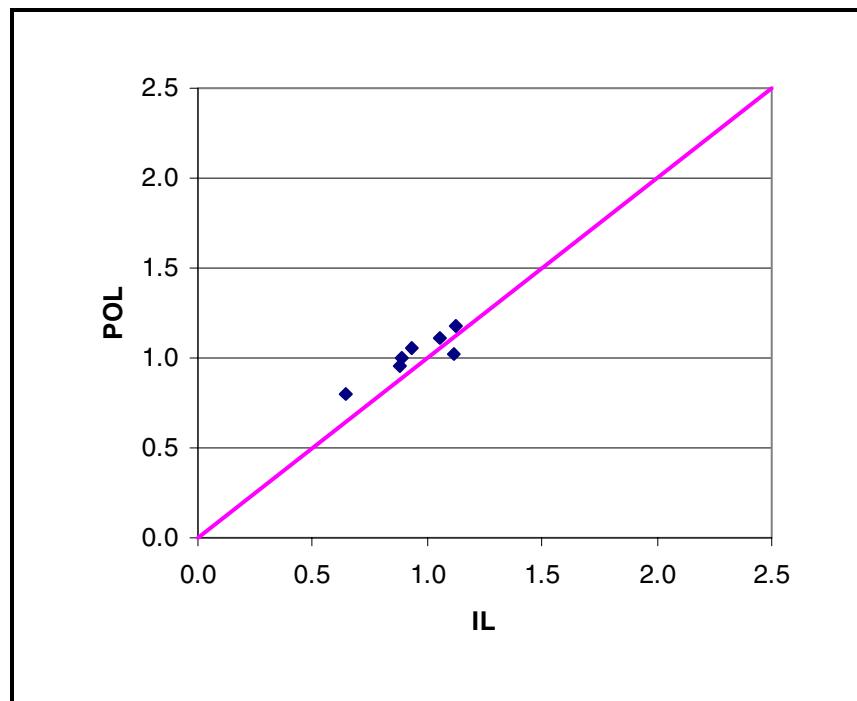


Figure C-22. Relative Values for Physician Operated and Independent Labs, All, and By Class: Therapeutic Drug Assays

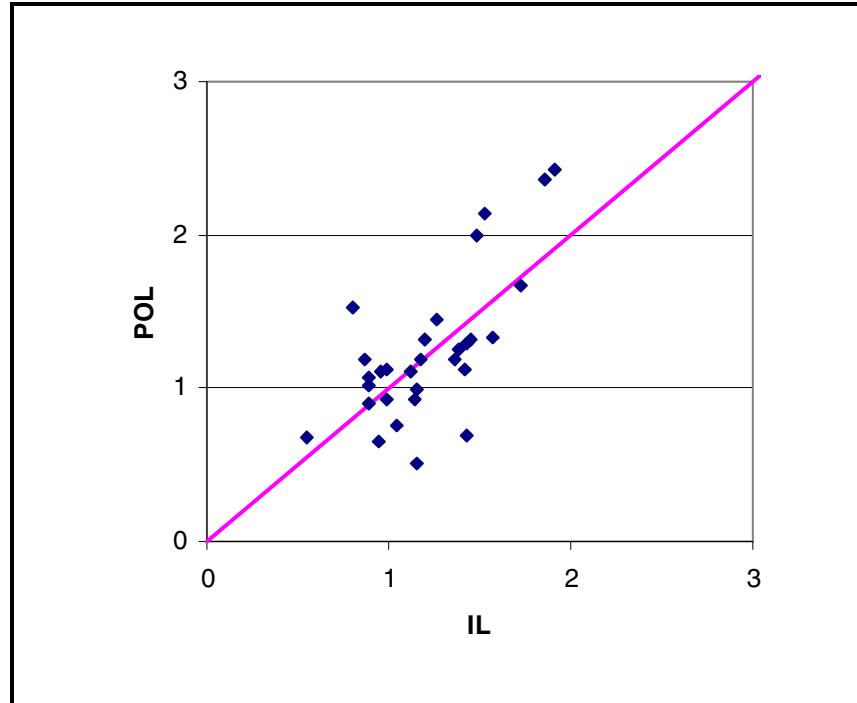


Figure C-23. Relative Values for Physician Operated and Independent Labs, All, and By Class: Transfusion Medicine

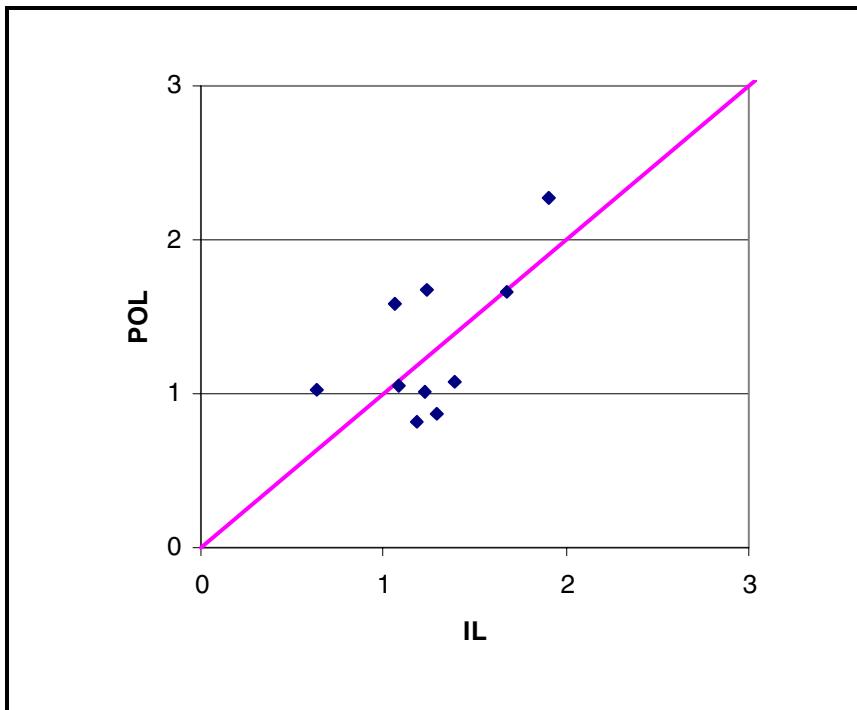


Figure C-24. Relative Values for Physician Operated and Independent Labs, All, and By Class: Urinalysis

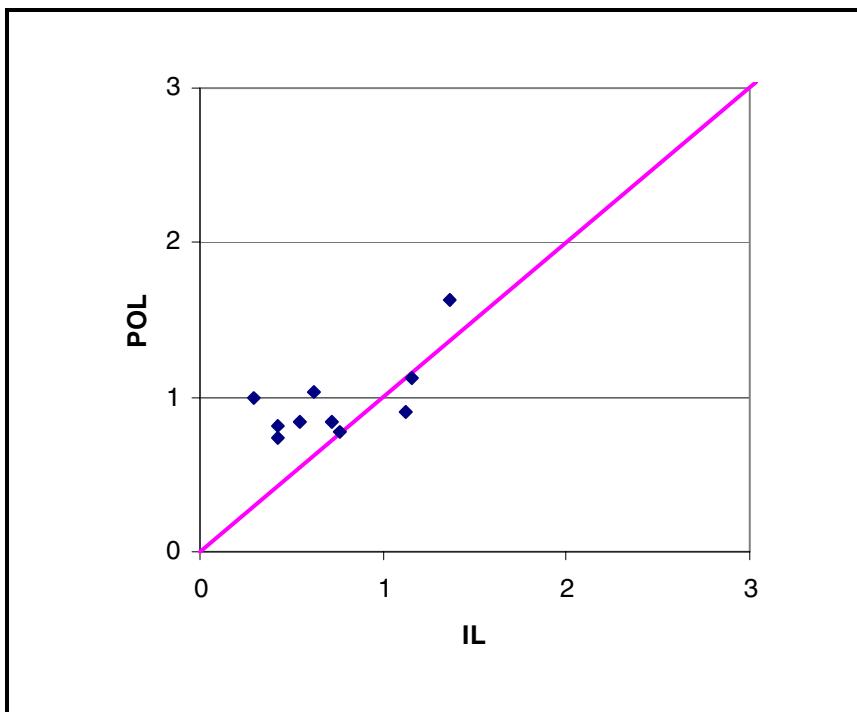


Figure C-25. Relative Values for Physician Operated and Independent Labs, All, and By Class: Other

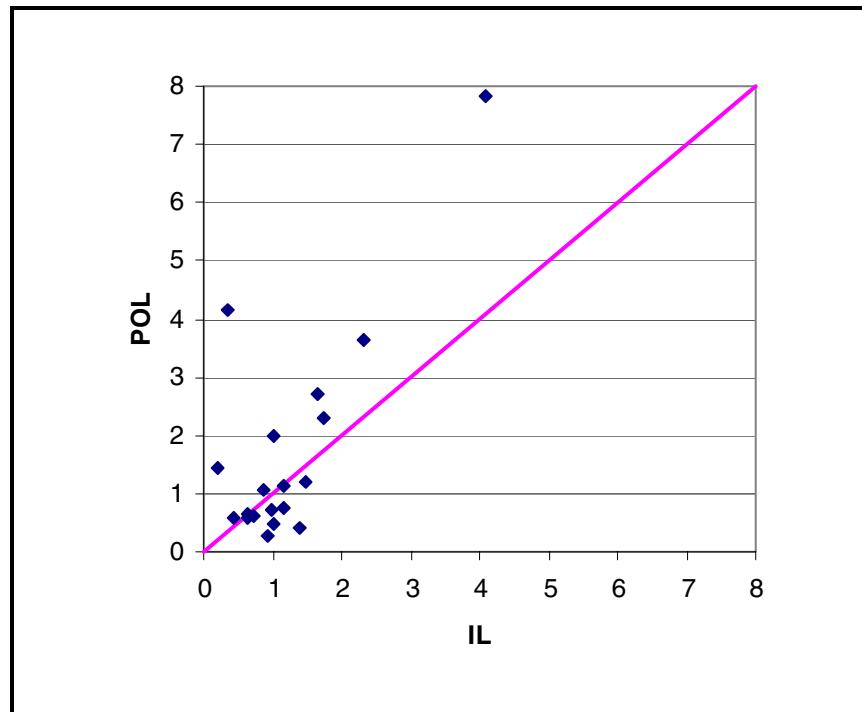


Figure C-26. Region versus National Charge-based Relative Values: Atlanta

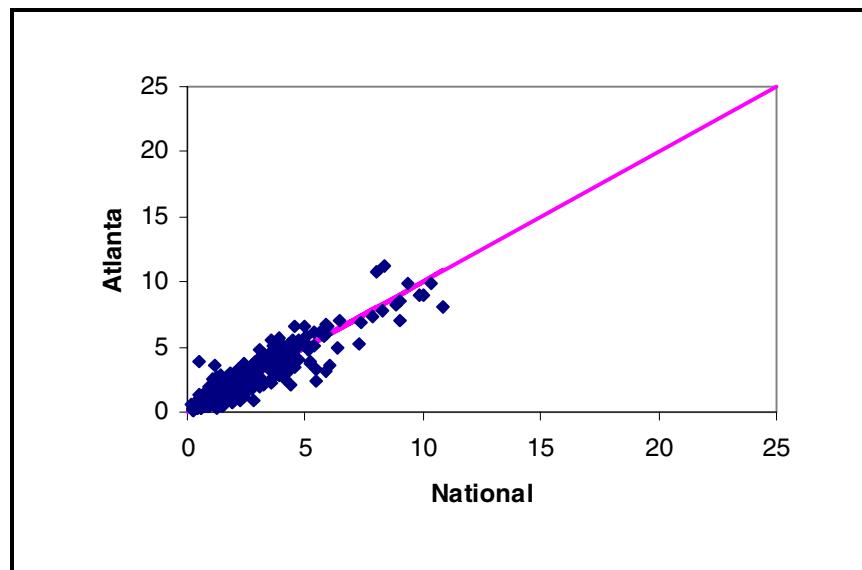


Figure C-27. Region versus National Charge-based Relative Values: Boston

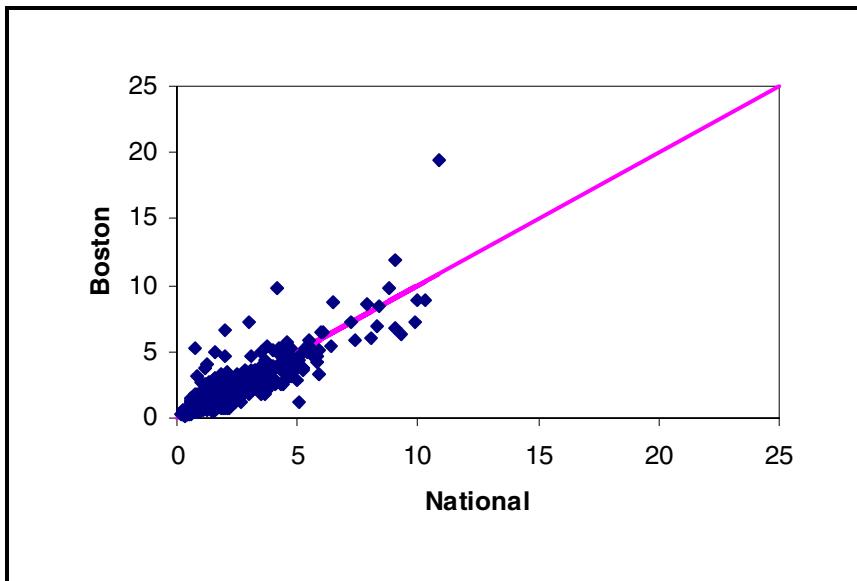


Figure C-28. Region versus National Charge-based Relative Values: Chicago

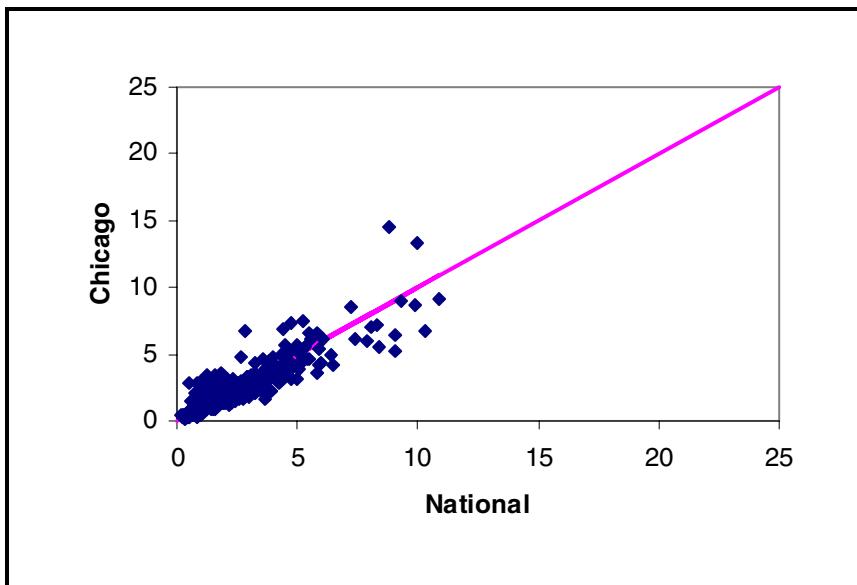


Figure C-29. Region versus National Charge-based Relative Values: Dallas

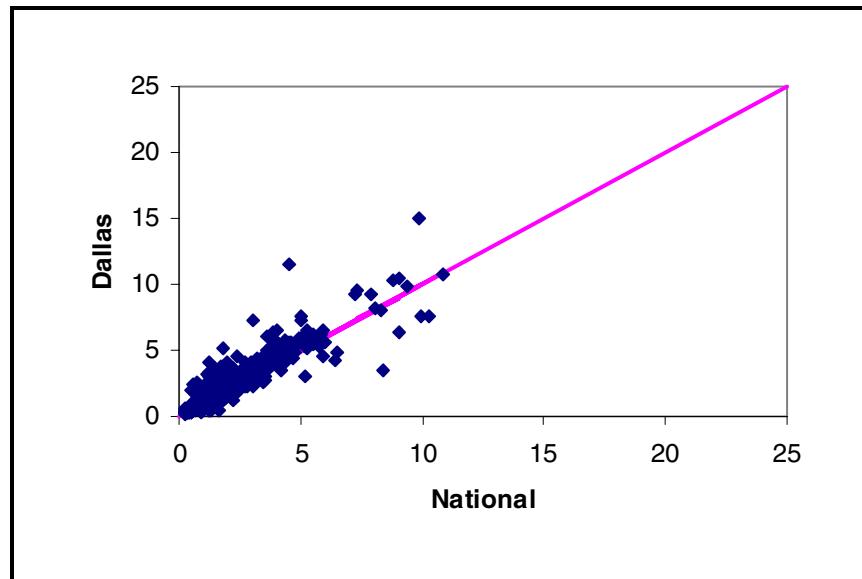


Figure C-30. Region versus National Charge-based Relative Values: Denver

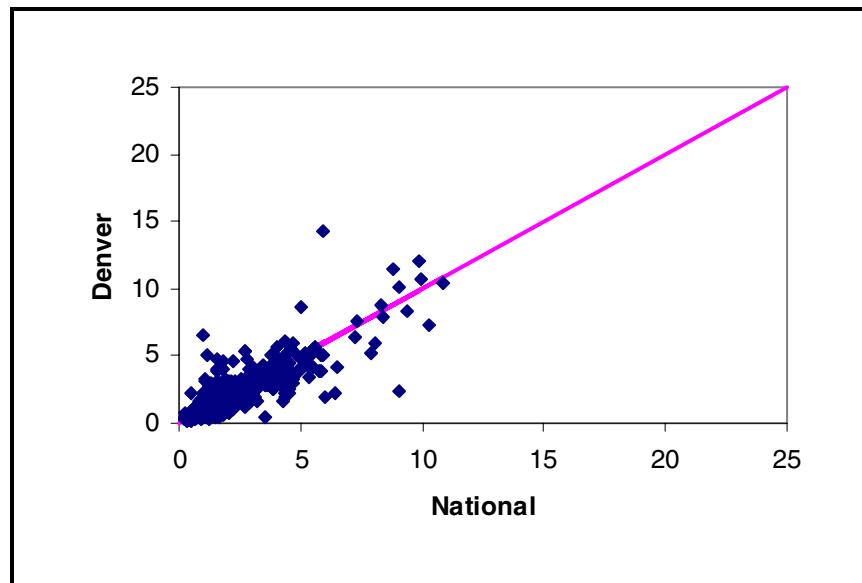


Figure C-31. Region versus National Charge-based Relative Values: Kansas City

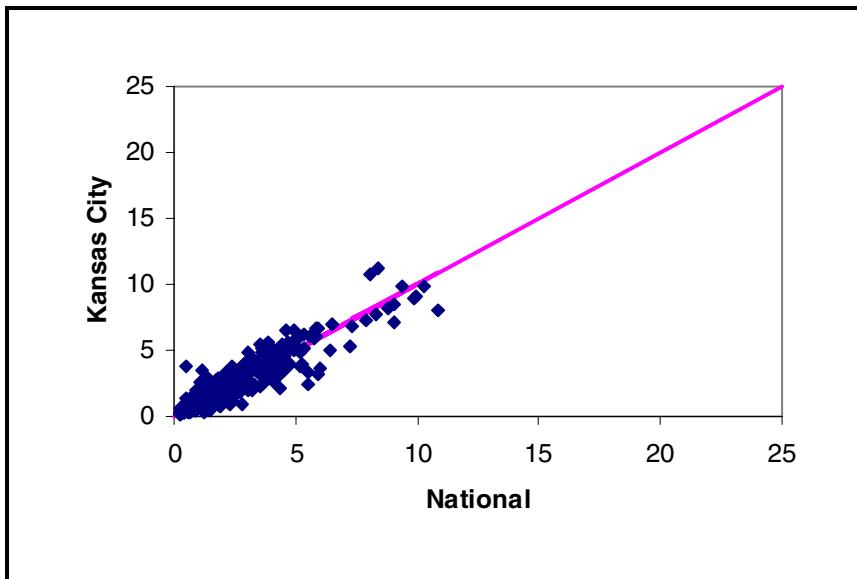


Figure C-32. Region versus National Charge-based Relative Values: New York

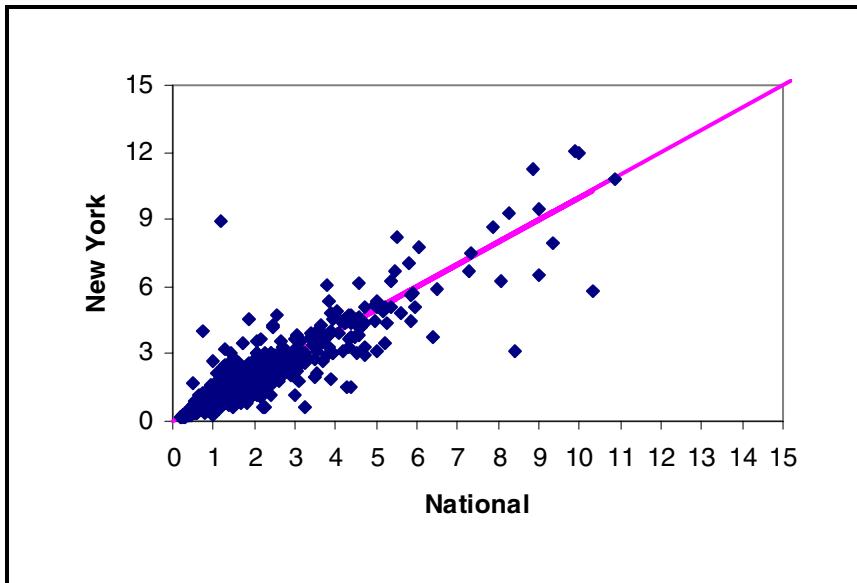


Figure C-33. Region versus National Charge-based Relative Values: Philadelphia

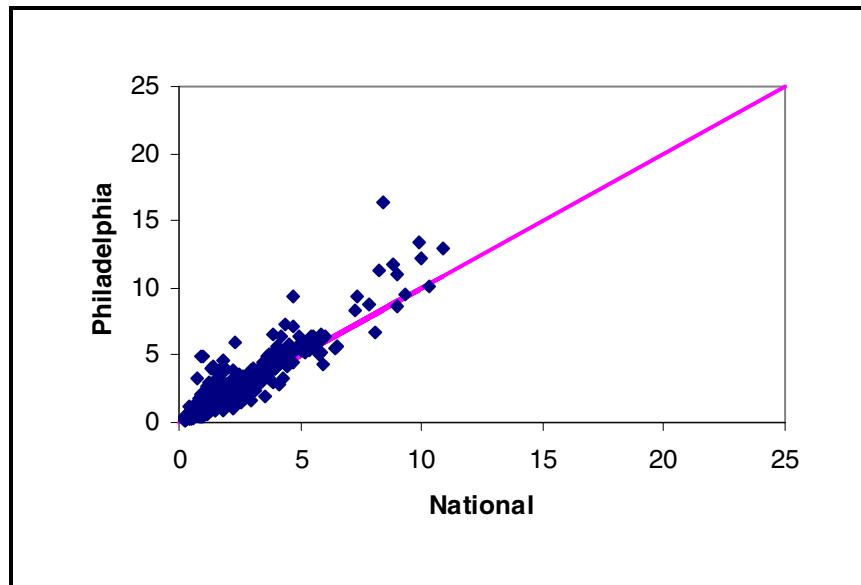


Figure C-34. Region versus National Charge-based Relative Values: San Francisco

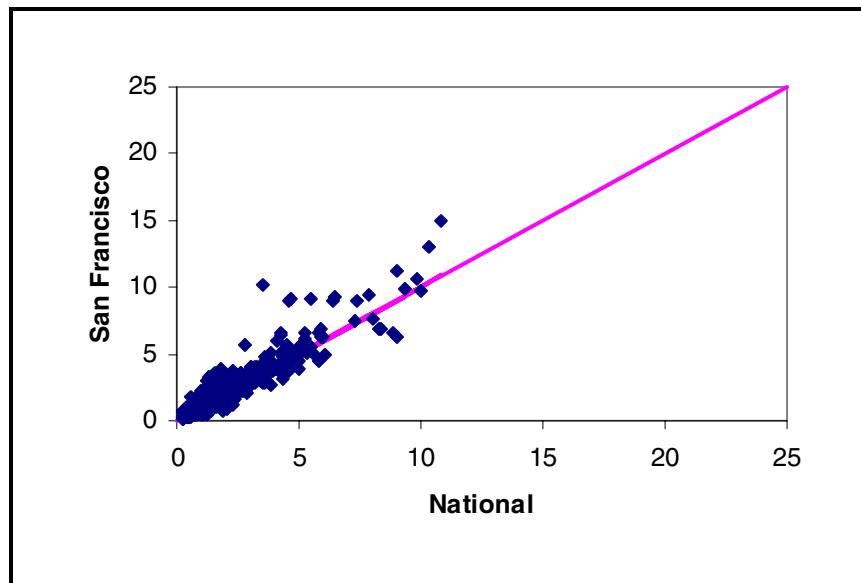


Figure C-35. Region versus National Charge-based Relative Values: Seattle

